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Department of Agriculture

Natural Resources Conservation Service

In cooperation with United States Department of the Interior, Bureau of Land Management, and University of Nevada Agricultural Experiment Station

Soil Survey of Northwest Elko County Area, Nevada, Parts of Elko and Eureka Counties

Part II, Volume II

#38824722

ID88071436

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TABLE 15.--ENGINEERING INDEX PROPERTIES

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1:												
Rubble Land-----	0-60	Fragmental material	GP	A-1	30-65	30-65	0-10	0-5	0-5	0	0-14	NP
120:												
Cotant----------	0-3	Gravelly clay loam	GC, CL	A-6, A-7	0	0	60-85	50-70	40-65	35-60	35-45	15-20
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP
Lerrow----------	0-9	Gravelly loam	SC	A-6	0	0-10	70-80	60-75	55-65	40-50	30-35	10-15
	9-14	Clay loam, gravelly clay loam	CL, GC	A-7	0	0	55-90	50-85	45-80	35-65	40-50	20-25
	14-27	Cobbly clay, gravelly clay, clay	CH	A-7	0-5	10-25	75-95	65-85	60-75	55-70	50-60	25-35
	27-31	Weathered bedrock			0	0	0	0	0	0	---	NP
Cotant----------	0-3	Gravelly clay loam	GC, CL	A-6, A-7	0	0	60-85	50-70	40-65	35-60	35-45	15-20
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP
126:												
Cotant----------	0-3	Very gravelly loam	GC	A-2	0	0-5	50-60	35-50	30-45	25-35	30-35	10-15
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP

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TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Lerrow----------	0-9	Cobbly loam	SC, CL	A-6	0	30-40	80-95	75-90	65-75	45-55	30-35	10-15
	9-14	Clay loam, gravelly clay loam	CL, GC	A-7	0	0	55-90	50-85	45-80	35-65	40-50	20-25
	14-27	Cobbly clay, gravelly clay, clay	CH	A-7	0-5	10-25	75-95	65-85	60-75	55-70	50-60	25-35
	27-31	Weathered bedrock			0	0	0	0	0	0	---	NP
Akler----------	0-4	Loam	CL, SC	A-6	0	0-10	80-90	75-85	65-80	45-65	30-35	10-15
	4-18	Clay	CH	A-7	0	0	80-100	75-100	65-90	50-70	55-70	30-45
	18-22	Weathered bedrock			0	0	0	0	0	0	---	NP
127:												
Cotant----------	0-3	Very gravelly silty clay loam	GC	A-2	0	0	35-55	30-50	25-45	25-35	35-45	15-20
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP
Ninemile--------	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Lerrow----------	0-9	Gravelly loam	SC	A-6	0	0-10	70-80	60-75	55-65	40-50	30-35	10-15
	9-14	Clay loam, gravelly clay loam	CL, GC	A-7	0	0	55-90	50-85	45-80	35-65	40-50	20-25
	14-27	Cobbly clay, gravelly clay, clay	CH	A-7	0-5	10-25	75-95	65-85	60-75	55-70	50-60	25-35
	27-31	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
128:												
Cotant	0-3	Very gravelly loam	GC	A-2	0	0-5	50-60	35-50	30-45	25-35	30-35	10-15
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP
Graley	0-12	Very gravelly loam	GM	A-1, A-2	0	0-5	30-50	25-45	20-40	15-30	20-25	NP-5
	12-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
129:												
Cotant	0-3	Very gravelly clay loam	GC	A-2	0	0	35-55	30-50	25-45	25-35	35-45	15-20
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP
Chen	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Crooked Creek	0-4	Silty clay loam	CL	A-6	0	0	95-100	95-100	95-100	80-90	30-35	10-15
	4-37	Clay, silty clay	CH	A-7	0	0	95-100	95-100	90-100	75-95	50-65	25-35
	37-60	Silty clay loam, clay loam, silt loam	CL	A-6, A-7	0	0	85-100	80-100	75-95	60-85	35-50	15-25

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
130:												
Cotant	0-3	Gravelly clay loam	GC, CL	A-6, A-7	0	0	60-85	50-70	40-65	35-60	35-45	15-20
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP
Booford	0-10	Silt loam	CL	A-6	0	0	90-100	85-100	55-95	50-95	25-35	10-15
	10-19	Silty clay loam, clay loam, clay	ML, MH	A-7	0	0	80-95	75-90	65-90	60-85	45-60	15-25
	19-36	Silty clay, clay	MH	A-7	0	0	80-90	75-85	70-80	65-75	50-65	20-30
	36-46	Weathered bedrock			0	0	0	0	0	0	---	NP
140:												
Upville	0-10	Gravelly loam	SC-SM, CL-ML	A-4	0	0-10	70-90	60-85	55-80	40-65	25-30	5-10
	10-21	Very gravelly loam, gravelly coarse sandy loam, very gravelly sandy loam	GM-GC, GC, SC-SM, SC	A-2, A-4, A-6	0	0-20	45-80	40-75	35-65	30-50	25-35	5-15
	21-60	Extremely gravelly coarse sand, extremely cobbly sand, extremely cobbly loamy sand	GP, GP-GM	A-1	0	25-50	15-40	10-35	10-25	0-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Upville---------	0-10	Gravelly loam	SC-SM, CL-ML	A-4	0	0-10	70-90	60-85	55-80	40-65	25-30	5-10
	10-21	Very gravelly loam, gravelly coarse sandy loam, very gravelly sandy loam	GM-GC, SC-SM, GC, SC	A-2, A-4, A-6	0	0-20	45-80	40-75	35-65	30-50	25-35	5-15
	21-60	Extremely gravelly coarse sand, extremely cobbly sand, extremely cobbly loamy sand	GP, GP-GM	A-1	0	25-50	15-40	10-35	10-25	0-10	---	NP
141:												
Upville---------	0-12	Gravelly loam	SC-SM, CL-ML	A-4	0	0-10	70-90	60-85	55-80	40-65	25-30	5-10
	12-26	Very gravelly loam, gravelly coarse sandy loam, very gravelly sandy loam	GM-GC, SC-SM, GC, SC	A-2, A-4, A-6	0	0-20	45-80	40-75	35-65	30-50	25-35	5-15
	26-60	Extremely gravelly coarse sand, extremely cobbly sand, extremely cobbly loamy sand	GP, GP-GM	A-1	0	25-50	15-40	10-35	10-25	0-10	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Kleckner--------	0-8	Gravelly loam	CL-ML, ML	A-4	0	0-25	65-90	60-85	55-80	50-75	25-35	5-10
	8-20	Very gravelly clay loam, very cobbly clay loam, very cobbly clay	GC, SC	A-2, A-7	0	10-45	45-70	30-60	30-55	25-45	40-55	25-35
	20-42	Very gravelly clay loam, very gravelly clay, very cobbly clay	GC, SC	A-2, A-7	0	0-45	45-90	25-50	25-45	20-40	40-55	25-35
	42-60	Extremely gravelly sandy loam	GM-GC, GP-GC	A-1, A-2	0	0-10	20-30	15-25	10-20	5-15	25-30	5-10
150:												
Gochea----------	0-9	Gravelly loam	GM-GC, SC-SM, GM, SM	A-2, A-4	0	0	55-80	50-75	30-55	25-50	20-30	NP-10
	9-25	Gravelly clay loam, gravelly sandy clay loam, clay loam	GC, SC, CL	A-6, A-7	0	0	60-95	50-90	45-85	35-65	30-45	10-20
	25-30	Sandy loam, gravelly loam	ML, SM, GM	A-4, A-2	0	0	60-95	55-90	35-75	25-55	20-25	NP-5
	30-60	Very gravelly sand, extremely gravelly sand	GP	A-1	0	0	25-50	15-35	10-20	0-5	---	NP
161:												
Sonoma----------	0-12	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-35	10-15
	12-60	Stratified silt loam to silty clay loam	ML, CL	A-6, A-7	0	0	100	100	100	95-100	35-50	10-25

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
162:												
Sonoma----------	0-12	Silt loam	CL	A-6	0	0	95-100	95-100	85-100	70-90	30-35	10-15
	12-60	Stratified silt loam to silty clay loam	CL, ML	A-6, A-7	0	0	100	100	100	95-100	35-50	10-25
184:												
Crooked Creek---	0-3	Silty clay loam	CL	A-6	0	0	95-100	95-100	95-100	80-90	30-35	10-15
	3-37	Clay, silty clay	CH	A-7	0	0	95-100	95-100	90-100	75-95	50-65	25-35
	37-60	Silty clay loam, clay loam, silt loam	CL	A-6, A-7	0	0	85-100	80-100	75-95	60-85	35-50	15-25
185:												
Crooked Creek---	0-4	Silty clay loam	CL	A-6	0	0	95-100	95-100	95-100	80-90	30-35	10-15
	4-37	Clay, silty clay	CH	A-7	0	0	95-100	95-100	90-100	75-95	50-65	25-35
	37-60	Silty clay loam, clay loam, silt loam	CL	A-6, A-7	0	0	85-100	80-100	75-95	60-85	35-50	15-25
Crooked Creek---	0-4	Silty clay loam	CL	A-6	0	0	95-100	95-100	95-100	80-90	30-35	10-15
	4-37	Clay, silty clay	CH	A-7	0	0	95-100	95-100	90-100	75-95	50-65	25-35
	37-60	Silty clay loam, clay loam, silt loam	CL	A-6, A-7	0	0	85-100	80-100	75-95	60-85	35-50	15-25
186:												
Crooked Creek---	0-4	Silty clay loam	CL	A-6	0	0	95-100	95-100	95-100	80-90	30-35	10-15
	4-37	Clay, silty clay	CH	A-7	0	0	95-100	95-100	90-100	75-95	50-65	25-35
	37-60	Silty clay loam, clay loam, silt loam	CL	A-6, A-7	0	0	85-100	80-100	75-95	60-85	35-50	15-25

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Crooked Creek---	0-4	Silty clay loam	CL	A-6	0	0	95-100	95-100	95-100	80-90	30-35	10-15
	4-37	Clay, silty clay	CH	A-7	0	0	95-100	95-100	90-100	75-95	50-65	25-35
	37-60	Silty clay loam, clay loam, silt loam	CL	A-6, A-7	0	0	85-100	80-100	75-95	60-85	35-50	15-25
Crooked Creek---	0-4	Silty clay loam	CL	A-6, A-7	0	0	100	95-100	85-100	80-90	35-45	15-20
	4-37	Silty clay, clay	CL, CH	A-7	0	0	90-100	80-100	70-90	65-85	40-55	20-25
	37-60	Silty clay loam, clay loam	CL	A-6, A-7	0	0	85-100	80-100	75-95	70-90	35-45	15-20
188:												
Crooked Creek---	0-4	Silty clay loam	CL	A-6	0	0	95-100	95-100	95-100	80-90	30-35	10-15
	4-37	Clay, silty clay	CH	A-7	0	0	95-100	95-100	90-100	75-95	50-65	25-35
	37-60	Silty clay loam, clay loam, silt loam	CL	A-6, A-7	0	0	85-100	80-100	75-95	60-85	35-50	15-25
Welch-----------	0-10	Silt loam	CL-ML	A-4	0	0	95-100	95-100	85-95	60-70	25-30	5-10
	10-60	Stratified sandy loam to silty clay loam	CL	A-6, A-7	0	0	80-100	75-100	65-90	50-70	35-45	15-20
Crooked Creek---	0-4	Silty clay loam	CL	A-6, A-7	0	0	100	95-100	85-100	80-90	35-45	15-20
	4-37	Silty clay, clay	CL, CH	A-7	0	0	90-100	80-100	70-90	65-85	40-55	20-25
	37-60	Silty clay loam, clay loam	CL	A-6, A-7	0	0	85-100	80-100	75-95	70-90	35-45	15-20

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
190:												
Heechee---------	0-7	Gravelly loam	SC-SM, SC, CL-ML, CL	A-4, A-6	0	0-5	75-85	55-75	40-60	40-55	25-35	5-15
	7-27	Very cobbly clay loam, very gravelly sandy clay loam, very cobbly loam	GC	A-2, A-6	0-15	15-50	45-75	35-65	30-60	25-50	30-40	10-20
	27-61	Extremely cobbly sandy loam, extremely cobbly coarse sandy loam	GP-GM, GM, GP-GC, GM-GC	A-1, A-2	0-10	45-55	30-60	20-50	10-35	5-20	20-30	NP-10
Heechee---------	0-7	Cobbly loam	CL-ML, CL, SC-SM, SC	A-4, A-6	0-10	15-25	80-95	70-80	60-75	45-60	25-35	5-15
	7-27	Very cobbly clay loam, very gravelly sandy clay loam, very cobbly loam	GC	A-2, A-6	0-15	25-50	45-75	35-65	30-60	25-50	30-40	10-20
	27-61	Extremely cobbly sandy loam, extremely cobbly coarse sandy loam, extremely cobbly loam	GP-GM, GM, GP-GC, GM-GC	A-1, A-2	0-10	45-55	30-60	20-50	10-35	5-20	20-30	NP-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
200:												
Lynnbow	0-4	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	85-95	70-80	25-35	5-15
	4-26	Silty clay, clay	CH	A-7	0	0	80-100	75-100	75-100	65-90	55-70	30-40
	26-40	Silty clay, clay	CL, CH	A-7	0	0	80-100	75-100	75-100	65-90	45-65	20-35
	40-58	Loam	SC-SM, SM	A-4	0	0	80-100	75-100	55-85	35-50	25-35	5-10
	58-68	Weathered bedrock			0	0	0	0	0	0	---	NP
Rugar	0-2	Loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-95	60-85	50-70	25-35	5-15
	2-20	Clay loam	CL	A-6, A-7	0	0	80-100	75-95	65-90	55-75	35-45	15-20
	20-43	Clay	CL, CH	A-7	0	0-5	80-100	75-95	65-90	55-70	45-60	25-35
	43-47	Weathered bedrock			0	0	0	0	0	0	---	NP
201:												
Lynnbow	0-4	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	85-95	70-80	25-35	5-15
	4-26	Silty clay, clay	CH	A-7	0	0	80-100	75-100	75-100	65-90	55-70	30-40
	26-40	Silty clay, clay	CL, CH	A-7	0	0	80-100	75-100	75-100	65-90	45-65	20-35
	40-58	Loam	SC-SM, SM	A-4	0	0	80-100	75-100	55-85	35-50	25-35	5-10
	58-68	Weathered bedrock			0	0	0	0	0	0	---	NP
Lerrow	0-9	Gravelly loam	SC	A-6	0	0-10	70-80	60-75	55-65	40-50	30-35	10-15
	9-14	Clay loam, gravelly clay loam	CL, GC	A-7	0	0	55-90	50-85	45-80	35-65	40-50	20-25
	14-27	Cobbly clay, gravelly clay, clay	CH	A-7	0-5	10-25	75-95	65-85	60-75	55-70	50-60	25-35
	27-31	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Crooked Creek---	0-4	Silty clay loam	CL	A-6	0	0	95-100	95-100	95-100	80-90	30-35	10-15
	4-37	Clay, silty clay	CH	A-7	0	0	95-100	95-100	90-100	75-95	50-65	25-35
	37-60	Silty clay loam, clay loam, silt loam	CL	A-6, A-7	0	0	85-100	80-100	75-95	60-85	35-50	15-25
210:												
Soonaker--------	0-3	Fine sandy loam	SM, ML	A-4	0	0	95-100	85-100	65-85	45-55	20-25	NP-5
	3-16	Loam	CL, CL-ML	A-4, A-6	0	0	95-100	75-100	75-95	60-75	25-35	5-15
	16-24	Gravelly sandy loam, very gravelly sandy loam, gravelly loam	GM, GM-GC, GC, SC-SM	A-2, A-1, A-4, A-6	0	0-5	55-80	45-75	30-45	15-40	20-35	NP-15
	24-28	Unweathered bedrock			0	0	0	0	0	0	---	NP
Bulake----------	0-7	Gravelly loam	GC, CL	A-6	0	0-10	60-80	55-75	50-75	40-60	25-35	10-15
	7-19	Clay, gravelly clay	CH	A-7	0	0-10	60-95	55-90	55-85	50-80	50-60	30-40
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
220:												
Cavanaugh-------	0-5	Very stony loam	CL-ML, ML	A-4	5-20	5-15	90-100	85-95	75-85	60-70	25-35	5-10
	5-9	Cobbly clay loam, cobbly clay	CH, CL	A-7	0-5	15-40	85-95	80-90	70-80	55-75	40-55	20-30
	9-21	Very cobbly clay, extremely cobbly clay loam, very gravelly clay loam	GC, CH, CL	A-7	0-5	35-65	50-70	45-65	40-60	35-55	40-55	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Rugar----------	0-2	Clay loam	CL	A-6, A-7	0	0	80-100	75-95	65-90	55-75	35-45	15-20
	2-20	Clay loam	CL	A-6, A-7	0	0	80-100	75-95	65-90	55-75	35-45	15-20
	20-43	Clay	CL, CH	A-7	0	0-5	80-100	75-95	65-90	55-70	45-60	25-35
	43-47	Weathered bedrock			0	0	0	0	0	0	---	NP
McIvey----------	0-16	Cobbly loam	CL	A-6	0	15-25	75-95	65-90	60-80	50-70	30-40	10-15
	16-29	Very gravelly clay loam, gravelly clay loam	GC, SC, CL	A-7	0	0-10	55-85	45-75	40-70	35-60	40-45	20-25
	29-65	Very gravelly clay, very cobbly clay, extremely cobbly clay	GC	A-7, A-2	0-25	10-55	45-60	35-50	35-45	30-45	45-55	30-35
221:												
Cavanaugh-------	0-5	Very stony loam	CL-ML, ML	A-4	5-20	5-15	90-100	85-95	75-85	60-70	25-35	5-10
	5-9	Cobbly clay loam, cobbly clay	CH, CL	A-7	0-5	15-40	85-95	80-90	70-80	55-75	40-55	20-30
	9-21	Very cobbly clay, extremely cobbly clay loam, very gravelly clay loam	GC, CH, CL	A-7	0-5	35-65	50-70	45-65	40-60	35-55	40-55	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Quarz-----------	0-6	Very gravelly loam	GC	A-2	0	0-15	40-55	35-50	30-45	20-35	25-35	10-15
	6-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	30-55	25-50	20-45	15-40	45-60	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
Alyan-----------	0-9	Gravelly clay loam	GC, CL	A-2, A-7, A-6	0	0-5	55-80	50-75	40-65	30-60	35-45	15-20
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	25-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP
233:												
Bioya-----------	0-10	Loam	ML, CL-ML	A-4	0	0	100	95-100	80-100	50-80	20-30	NP-10
	10-36	Silt loam, loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	85-100	50-80	25-35	5-15
	36-60	Indurated			0	0	0	0	0	0	---	NP
Bilbo-----------	0-5	Gravelly loam	GM-GC, GC, CL-ML, CL	A-4, A-6	0	0-10	65-90	55-75	50-70	40-55	25-35	5-15
	5-40	Very gravelly sandy clay, very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	45-65	35-50	30-45	20-40	40-55	20-35
	40-60	Extremely gravelly loamy sand, very gravelly sandy loam	GP-GM, GM	A-1	0	0-10	30-60	15-50	10-40	5-20	15-25	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Chiara----------	0-6	Silt loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-40	Indurated			0	0	0	0	0	0	---	NP
234:												
Bioya----------	0-10	Very fine sandy loam	ML, CL-ML	A-4	0	0	100	95-100	85-100	50-80	20-30	NP-10
	10-36	Silt loam, loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	85-100	50-80	25-35	5-15
	36-60	Indurated			0	0	0	0	0	0	---	NP
Shabliss--------	0-10	Very fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	55-65	20-25	NP-5
	10-16	Cemented			0	0	0	0	0	0	---	NP
	16-35	Loam, fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	50-60	15-25	NP-5
	35-60	Very gravelly fine sandy loam, very gravelly loamy sand	SM, GM, SP-SM, GP-GM	A-1	0	0	50-75	25-50	15-40	5-25	15-25	NP-5
Puett----------	0-3	Stony sandy loam	SM	A-4	1-5	5-10	90-100	90-100	60-75	35-50	15-20	NP-5
	3-10	Coarse sandy loam, gravelly sandy loam, loam	SM, ML, GM	A-1, A-2, A-4	0	0	55-95	50-90	30-80	15-55	---	NP
	10-14	Weathered bedrock			0	0	0	0	0	0	---	NP
235:												
Bioya----------	0-10	Loam	ML, CL-ML	A-4	0	0	100	95-100	80-100	50-80	20-30	NP-10
	10-36	Silt loam, loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	85-100	50-80	25-35	5-15
	36-60	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Trunk	0-5	Gravelly loam	GM-GC, SC-SM, GM, SM	A-4	0	0-5	55-80	50-75	45-70	35-50	20-30	NP-10
	5-23	Gravelly clay, gravelly clay loam	CL, CH, GC	A-7	0	0-10	55-85	50-80	45-75	40-65	40-55	20-30
	23-27	Unweathered bedrock			0	0	0	0	0	0	---	NP
Alley	0-7	Very stony loam	SM	A-4	15-25	10-15	80-90	65-80	50-60	35-45	25-30	NP-5
	7-20	Gravelly clay loam, gravelly sandy clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-35	15-20
	20-40	Gravelly fine sandy loam, cobbly fine sandy loam, gravelly sandy loam	SM, GM	A-2, A-4	0-10	0-40	60-85	50-80	35-75	25-40	25-30	NP-5
	40-60	Very cobbly fine sandy loam	SM	A-2	0-15	30-45	70-75	60-70	45-55	25-35	25-30	NP-5
236:												
Bioya	0-10	Very fine sandy loam	ML, CL-ML	A-4	0	0	100	95-100	85-100	50-80	20-30	NP-10
	10-36	Silt loam, loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	85-100	50-80	25-35	5-15
	36-60	Indurated			0	0	0	0	0	0	---	NP
Wieland	0-4	Loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-90	50-75	20-30	NP-10
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	55-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Kleckner--------	0-8	Gravelly loam	CL-ML, ML	A-4	0	0-25	65-90	60-85	55-80	50-75	25-35	5-10
	8-20	Very gravelly clay loam, very cobbly clay loam, very cobbly clay	GC, SC	A-2, A-7	0	10-45	45-70	30-60	30-55	25-45	40-55	25-35
	20-42	Very gravelly clay loam, very gravelly clay, very cobbly clay	GC, SC	A-2, A-7	0	0-45	45-90	25-50	25-45	20-40	40-55	25-35
	42-60	Extremely gravelly sandy loam	GM-GC, GP-GC	A-1, A-2	0	0-10	20-30	15-25	10-20	5-15	25-30	5-10
241:												
Wickahoney------	0-2	Extremely stony loam	CL	A-6	15-30	20-30	80-90	75-85	60-75	50-65	30-35	10-15
	2-6	Cobbly clay loam, very stony clay loam, stony loam	SC, CL	A-6	5-25	5-30	75-90	70-85	60-80	45-65	30-40	10-20
	6-14	Very cobbly clay, very gravelly clay, very gravelly clay loam	CL, CH, GC, SC	A-7	5-25	20-50	55-95	50-90	45-85	40-75	40-55	20-35
	14-18	Unweathered bedrock			0	0	0	0	0	0	---	NP
Deunah----------	0-9	Loam	CL-ML, CL	A-4, A-6	0	0-10	95-100	95-100	80-100	70-90	20-35	5-15
	9-26	Clay	CH	A-7	0	0-10	95-100	95-100	90-100	85-95	60-80	30-45
	26-33	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Petan----------	0-6	Very cobbly loam	CL	A-6	1-5	40-55	70-90	65-85	60-70	50-60	25-35	10-15
	6-19	Very cobbly clay, very stony clay	CH	A-7	20-45	15-40	65-85	60-80	55-75	50-70	50-65	25-40
	19-20	Indurated			0	0	0	0	0	0	---	NP
	20-30	Unweathered bedrock			0	0	0	0	0	0	---	NP
270:												
Pernty----------	0-5	Very gravelly loam	GC	A-2	0	0-10	40-55	35-50	25-35	20-30	30-35	10-15
	5-14	Very cobbly clay loam, very gravelly clay loam, very gravelly loam	GC	A-6, A-7	0-5	10-30	50-60	45-55	40-50	35-45	35-45	15-20
	14-18	Unweathered bedrock			0	0	0	0	0	0	---	NP
Loncan----------	0-17	Very gravelly loam	GC	A-2	0	10-15	40-60	30-45	25-40	20-35	30-35	10-15
	17-30	Very gravelly loam, extremely cobbly loam, very gravelly sandy clay loam	GC	A-2	0-5	5-55	35-60	30-50	25-40	20-35	30-35	10-15
	30-34	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Pernty----------	0-5	Very gravelly loam	GC	A-2	0	0-10	40-55	35-50	25-35	20-30	30-35	10-15
	5-14	Very cobbly clay loam, very gravelly clay loam, very gravelly loam	GC	A-6, A-7	0-5	10-30	50-60	45-55	40-50	35-45	35-45	15-20
	14-18	Unweathered bedrock			0	0	0	0	0	0	---	NP
280:												
Humboldt--------	0-12	Silty clay loam	CL	A-7	0	0	100	100	100	90-100	40-50	20-25
	12-52	Stratified silty clay loam to clay	MH	A-7	0	0	90-100	90-100	85-100	80-100	50-60	15-25
	52-60	Stratified silt loam to silty clay	ML, CL	A-6, A-7	0	0	90-100	90-100	85-100	80-100	30-50	10-20
308:												
Akler-----------	0-4	Loam	CL, SC	A-6	0	0-10	80-90	75-85	65-80	45-65	30-35	10-15
	4-18	Clay	CH	A-7	0	0	80-100	75-100	65-90	50-70	55-70	30-45
	18-22	Weathered bedrock			0	0	0	0	0	0	---	NP
Pattani---------	0-14	Clay	CH	A-7	0	0	95-100	90-100	80-90	70-80	50-60	30-40
	14-37	Clay loam, silty clay loam, clay	CL, CH	A-7	0	0	85-95	80-90	75-85	65-80	40-55	25-35
	37-41	Weathered bedrock			0	0	0	0	0	0	---	NP
Cotant----------	0-3	Cobbly loam	CL	A-6	0	15-30	80-90	70-80	60-70	50-60	25-35	10-15
	3-20	Clay	CL, CH	A-7	0	0-5	90-100	75-100	60-95	50-85	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
309:												
Akler	0-4	Loam	CL, SC	A-6	0	0-10	80-90	75-85	65-80	45-65	30-35	10-15
	4-18	Clay	CH	A-7	0	0	80-100	75-100	65-90	50-70	55-70	30-45
	18-22	Weathered bedrock			0	0	0	0	0	0	---	NP
Susie Creek	0-10	Loam	CL	A-6	0	0	90-100	75-100	70-95	55-75	30-35	10-15
	10-30	Clay loam, clay	CL, CH	A-7	0	0-10	90-100	85-100	70-100	70-95	40-60	20-30
	30-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0	0-10	90-100	85-100	65-85	50-70	25-35	5-15
457:												
Donna	0-10	Gravelly loam	CL	A-6	0	0	65-75	60-75	55-70	50-60	30-40	10-20
	10-30	Clay	CH	A-7	0	0	80-90	75-85	75-80	70-80	60-70	30-40
	30-48	Indurated			0	0	0	0	0	0	---	NP
	48-60	Stratified extremely gravelly sandy loam to gravelly sandy clay loam	GC	A-2	0-5	10-35	40-55	30-40	20-30	10-20	30-40	10-20
Stampede	0-16	Gravelly loam	CL	A-6	0	0	70-80	65-75	60-70	50-65	25-35	10-15
	16-37	Clay, silty clay	CH	A-7	0	0-10	90-100	85-95	80-90	70-85	50-60	30-40
	37-60	Indurated			0	0	0	0	0	0	---	NP
Short Creek	0-8	Gravelly clay loam	GC, SC	A-6	0	0-15	60-80	50-75	45-65	35-50	35-40	20-25
	8-23	Very gravelly clay	GC	A-2, A-7	0	0-10	45-55	35-50	35-45	30-40	50-55	35-40
	23-60	Extremely gravelly sandy clay, extremely gravelly clay loam, extremely gravelly sandy clay loam	GP-GC, GC	A-2	0	0-15	30-35	15-25	15-20	5-15	35-45	20-30

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
458:												
Donna	0-10	Gravelly loam	CL	A-6	0	0	65-75	60-75	55-70	50-60	30-40	10-20
	10-30	Clay	CH	A-7	0	0	80-90	75-85	75-80	70-80	60-70	30-40
	30-48	Indurated			0	0	0	0	0	0	---	NP
	48-60	Stratified extremely gravelly sandy loam to gravelly sandy clay loam	GC	A-2	0-5	10-35	40-55	30-40	20-30	10-20	30-40	10-20
Stampede	0-16	Gravelly loam	CL	A-6	0	0	70-80	65-75	60-70	50-65	25-35	10-15
	16-37	Clay, silty clay	CH	A-7	0	0-10	90-100	85-95	80-90	70-85	50-60	30-40
	37-60	Indurated			0	0	0	0	0	0	---	NP
464:												
Stampede	0-16	Silt loam	CL	A-6	0	0	90-100	85-95	75-90	65-80	25-35	10-15
	16-37	Clay, silty clay	CH	A-7	0	0-10	90-100	85-95	80-90	70-85	50-60	30-40
	37-60	Indurated			0	0	0	0	0	0	---	NP
570:												
Sumine	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cleavage--------	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP
571:												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Tusel----------	0-17	Gravelly loam	SM, GM	A-4	0	0-10	55-80	50-75	45-70	35-50	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP
Gando----------	0-9	Very gravelly loam	GM-GC, GM	A-2, A-1	0	0-5	40-60	25-50	20-35	15-30	20-30	NP-10
	9-17	Extremely gravelly loam, very gravelly loam, extremely gravelly sandy loam	GM	A-2, A-1	0-5	0-30	30-40	20-35	15-30	10-25	20-35	NP-10
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
572:												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Reluctan--------	0-9	Cobbly loam	SC-SM, CL-ML	A-4	0-5	10-30	80-90	70-90	60-85	40-70	20-30	5-10
	9-27	Gravelly loam, gravelly clay loam	GC, CL	A-6, A-7	0-5	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-37	Unweathered bedrock			0	0	0	0	0	0	---	NP
Cleavage--------	0-4	Very gravelly lcam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
576:												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP
Cleavage--------	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
577:												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP
Chen------------	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
578:												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Tusel----------	0-17	Gravelly loam	SM, GM	A-4	0	0-10	55-80	50-75	45-70	35-50	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP
579:												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Pernty----------	0-5	Very stony loam	GC	A-2	5-25	5-10	50-60	45-55	35-45	25-35	30-35	10-15
	5-14	Very cobbly clay loam, very gravelly clay loam, very gravelly loam	GC	A-6, A-7	0	10-35	50-60	45-55	40-50	35-45	35-45	15-20
	14-18	Unweathered bedrock			0	0	0	0	0	0	---	NP
Tusel----------	0-17	Very gravelly loam	GM	A-2	0	0-15	50-60	40-50	35-45	25-35	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP
580:												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
Pie Creek-------	0-5	Very cobbly silt loam	GM-GC, GC, CL-ML, CL	A-4, A-6	0	30-40	50-70	45-70	35-65	35-65	25-35	5-15
	5-23	Clay	CH	A-7	0	0	95-100	90-100	85-95	80-90	65-70	35-40
	23-27	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Reluctan--------	0-9	Gravelly loam	SC-SM, CL-ML	A-4	0	5-10	70-80	60-75	50-65	40-55	25-30	5-10
	9-27	Gravelly clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-31	Unweathered bedrock			0	0	0	0	0	0	---	NP
581:												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cleavage	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
582:												
Sumine	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
Tusel	0-17	Very gravelly loam	GM	A-2	0	0-15	50-60	40-50	35-45	25-35	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cleavage--------	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
583:												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Pernty----------	0-5	Very gravelly loam	GC	A-2	0	0-10	40-55	35-50	25-35	20-30	30-35	10-15
	5-14	Very cobbly clay loam, very gravelly clay loam, very gravelly loam	GC	A-6, A-7	0-5	10-30	50-60	45-55	40-50	35-45	35-45	15-20
	14-18	Unweathered bedrock			0	0	0	0	0	0	---	NP
584:												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
Tusel----------	0-17	Very gravelly loam	GM	A-2	0	0-15	50-60	40-50	35-45	25-35	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP
585:												
Rock Outcrop.												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
Rubble Land-----	0-60	Fragmental material	GP	A-1	30-65	30-65	0-10	0-5	0-5	0	0-14	NP
586:												
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Loncan----------	0-17	Very gravelly loam	GC	A-2	0	10-15	40-60	30-45	25-40	20-35	30-35	10-15
	17-30	Very gravelly loam, extremely cobbly loam, very gravelly sandy clay loam	GC	A-2	0-5	5-55	35-60	30-50	25-40	20-35	30-35	10-15
	30-34	Unweathered bedrock			0	0	0	0	0	0	---	NP
Cleavage--------	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
600:												
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Bullump---------	0-12	Very gravelly loam	GC, SC	A-2	0	0-10	45-70	35-50	30-45	25-35	25-35	10-15
	12-46	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam	GC	A-2, A-6, A-7	0	0-15	40-65	30-50	25-45	15-40	35-45	15-20
	46-50	Unweathered bedrock			0	0	0	0	0	0	---	NP
Gando-----------	0-9	Very gravelly loam	GM-GC, GM	A-2, A-1	0	0-5	40-60	25-50	20-35	15-30	20-30	NP-10
	9-17	Extremely gravelly loam, very gravelly loam, extremely gravelly sandy loam	GM	A-2, A-1	0-5	0-30	30-40	20-35	15-30	10-25	20-35	NP-10
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
601:												
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Blitzen---------	0-10	Very gravelly loam	GC	A-2	0	0-10	35-55	30-50	25-40	20-30	30-35	10-15
	10-33	Very gravelly clay, very gravelly clay loam	GC	A-2	0	0-10	35-55	30-50	25-40	20-35	45-65	20-35
	33-37	Weathered bedrock			0	0	0	0	0	0	---	NP
Tusel----------	0-17	Gravelly loam	SM, GM	A-4	0	0-10	55-80	50-75	45-70	35-50	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP
602:												
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hackwood--------	0-26	Silt loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-100	70-90	60-80	20-35	5-15
	26-34	Gravelly loam, gravelly silt loam	GM-GC, SC-SM, CL-ML, CL	A-4, A-6	0	0	60-80	50-75	40-70	35-65	25-35	5-15
	34-60	Very gravelly clay loam, very gravelly silty clay loam, very gravelly loam	GC	A-2, A-6	0	0	40-60	35-50	30-45	25-40	35-40	15-20
Tusel----------	0-17	Gravelly loam	SM, GM	A-4	0	0-10	55-80	50-75	45-70	35-50	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP
623: Rock Outcrop.												
Soughe----------	0-10	Very cobbly loam	GM-GC, GM	A-4	0-1	20-40	55-70	50-60	45-55	35-45	20-30	NP-10
	10-19	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	GC, SC	A-2	0	0-15	35-65	25-55	15-25	10-20	35-40	15-20
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
624: Rock Outcrop.												

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Soughe----------	0-13	Very stony loam	GM-GC, GM	A-4	5-15	15-35	55-70	50-60	45-55	35-45	20-30	NP-10
	13-20	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	GC, SC	A-2	0	0-15	35-65	25-55	15-25	10-20	35-40	15-20
	20-24	Unweathered bedrock			0	0	0	0	0	0	---	NP
Soughe----------	0-13	Very stony loam	GM-GC, GM	A-4	5-15	15-35	55-70	50-60	45-55	35-45	20-30	NP-10
	13-20	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	GC, SC	A-2	0	0-15	35-65	25-55	15-25	10-20	35-40	15-20
	20-24	Unweathered bedrock			0	0	0	0	0	0	---	NP
625:												
Soughe----------	0-13	Very cobbly loam	GM-GC, GM	A-4	0-1	20-40	55-70	50-60	45-55	35-45	20-30	NP-10
	13-20	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	GC, SC	A-2	0	0-15	35-65	25-55	15-25	10-20	35-40	15-20
	20-24	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Alyan----------	0-9	Very gravelly loam	GC	A-2	0	0-5	30-55	25-50	20-40	15-35	25-35	10-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	20-40	45-60	20-35
	32-42	Unweathered bedrock			0	0	0	0	0	0	---	NP
Shalper---------	0-2	Very gravelly loam	GC	A-2, A-6	0	0-10	30-55	25-50	20-45	20-40	25-35	10-15
	2-11	Very gravelly clay loam, very gravelly loam	GC	A-2, A-6	0	0-15	30-55	25-50	20-45	15-40	30-40	15-20
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP
626:												
Soughe----------	0-13	Cobbly loam	ML, CL-ML, SM, SC-SM	A-4	0	25-30	80-95	70-90	55-65	45-55	20-30	NP-10
	13-20	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	GC, SC	A-2	0	0-15	35-65	25-55	15-25	10-20	35-40	15-20
	20-24	Unweathered bedrock			0	0	0	0	0	0	---	NP
Vanwyper--------	0-10	Cobbly loam	CL	A-6	0	15-25	85-90	80-90	60-85	55-75	25-35	10-15
	10-25	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-10	30-55	55-75	50-65	45-60	40-55	40-60	20-40
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Soughe----------	0-13	Very cobbly loam	GM-GC, GM	A-4	0-1	20-40	55-70	50-60	45-55	35-45	20-30	NP-10
	13-20	Very gravelly clay loam, very gravelly sandy clay loam, very gravelly loam	GC, SC	A-2	0	0-15	35-65	25-55	15-25	10-20	35-40	15-20
	20-24	Unweathered bedrock			0	0	0	0	0	0	---	NP
690:												
Welch----------	0-10	Silt loam	CL-ML	A-4	0	0	95-100	95-100	85-95	60-70	25-30	5-10
	10-60	Stratified sandy loam to silty clay loam	CL	A-6, A-7	0	0	80-100	75-100	65-90	50-70	35-45	15-20
Welch----------	0-10	Silt loam	CL-ML	A-4	0	0	95-100	95-100	85-95	60-70	25-30	5-10
	10-60	Stratified sandy loam to silty clay loam	CL	A-6	0	0	80-100	75-100	65-90	50-70	30-40	10-20
920:												
Bullump---------	0-12	Very gravelly loam	GC, SC	A-2	0	0-10	45-70	35-50	30-45	25-35	25-35	10-15
	12-46	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam	GC	A-2, A-6, A-7	0	0-15	40-65	30-50	25-45	15-40	35-45	15-20
	46-50	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Gando-----------	0-9	Very gravelly loam	GM-GC, GM	A-2, A-1	0	0-5	40-60	25-50	20-35	15-30	20-30	NP-10
	9-17	Extremely gravelly loam, very gravelly loam, extremely gravelly sandy loam	GM	A-2, A-1	0-5	0-30	30-40	20-35	15-30	10-25	20-35	NP-10
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Tusel-----------	0-17	Gravelly loam	SM, GM	A-4	0	0-10	55-80	50-75	45-70	35-50	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP
921:												
Bullump---------	0-12	Very gravelly loam	GC, SC	A-2	0	0-10	45-70	35-50	30-45	25-35	25-35	10-15
	12-46	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam	GC	A-2, A-6, A-7	0	0-15	40-65	30-50	25-45	15-40	35-45	15-20
	46-50	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hackwood--------	0-26	Silt loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-100	70-90	60-80	20-35	5-15
	26-34	Gravelly loam, gravelly silt loam	GM-GC, SC-SM, CL-ML, CL	A-4, A-6	0	0	60-80	50-75	40-70	35-65	25-35	5-15
	34-60	Very gravelly clay loam, very gravelly silty clay loam, very gravelly loam	GC	A-2, A-6	0	0	40-60	35-50	30-45	25-40	35-40	15-20
Cleavage--------	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
922:												
Bullump---------	0-12	Very gravelly loam	GC, SC	A-2	0	0-10	45-70	35-50	30-45	25-35	25-35	10-15
	12-46	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam	GC	A-2, A-6, A-7	0	0-15	40-65	30-50	25-45	15-40	35-45	15-20
	46-50	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cleavage--------	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP
1130:												
Clementine------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	95-100	75-90	25-35	5-10
	3-44	Stratified silt loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	80-95	35-45	10-15
	44-60	Stratified loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	70-80	35-45	10-15

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1131:												
Clementine------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	95-100	75-90	25-35	5-10
	3-44	Stratified silt loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	80-95	35-45	10-15
	44-60	Stratified loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	70-80	35-45	10-15
Clementine------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	95-100	75-90	25-35	5-10
	3-44	Stratified silt loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	80-95	35-45	10-15
	44-60	Stratified loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	70-80	35-45	10-15
Clementine------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	95-100	75-90	25-35	5-10
	3-44	Stratified silt loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	80-95	35-45	10-15
	44-60	Stratified loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	70-80	35-45	10-15
1135:												
Clementine------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	95-100	75-90	25-35	5-10
	3-44	Stratified silt loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	80-95	35-45	10-15
	44-60	Stratified loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	70-80	35-45	10-15

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Clurde----------	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP
1150:												
Clurde----------	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP
Wieland----------	0-4	Gravelly loam	GC, CL, SC	A-6	0	0-5	60-85	50-75	45-70	35-60	25-35	10-15
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	50-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1155:												
Clurde----------	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP
1156:												
Clurde----------	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP
Kortty----------	0-6	Silt loam	ML, CL-ML	A-4	0	0	80-100	75-100	70-100	65-90	20-30	NP-10
	6-12	Loam, clay loam	CL	A-6	0	0	80-100	75-100	65-95	50-75	30-40	10-20
	12-42	Loam, gravelly silt loam, gravelly loam	CL-ML, CL	A-4, A-6	0	0-10	75-100	70-90	65-85	50-70	25-35	5-15
	42-55	Very gravelly sandy loam	GM-GC	A-2	0	0-10	45-55	35-50	25-35	10-20	20-30	5-10
	55-60	Cemented			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1157:												
Clurde----------	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP
Zevadez----------	0-10	Very fine sandy loam	SC-SM, SM, CL-ML, ML	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
	10-26	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	26-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
Chiara----------	0-6	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-40	Indurated			0	0	0	0	0	0	---	NP
1190:												
Cherry Spring---	0-8	Very fine sandy loam	ML	A-4	0	0	95-100	95-100	85-95	70-80	20-25	NP-5
	8-23	Loam, silt loam, clay loam	CL-ML, CL	A-4, A-6	0	0-5	90-100	80-95	75-90	65-75	25-40	5-20
	23-45	Cemented			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Enko	0-8	Very fine sandy loam	CL-ML	A-4	0	0	95-100	85-100	75-100	50-70	20-30	5-10
	8-15	Loam, sandy loam, fine sandy loam	SC-SM, CL-ML	A-4	0	0	95-100	85-100	60-90	35-70	20-30	5-10
	15-38	Sandy loam, fine sandy loam, loam	SC-SM, CL-ML	A-2, A-4	0	0	85-100	75-100	60-90	30-65	20-25	5-10
	38-60	Sandy loam, fine sandy loam, loam	SC-SM, CL-ML	A-2, A-4	0	0	85-100	75-100	60-90	30-65	20-25	5-10
1191:												
Cherry Spring	0-8	Gravelly loam	GM-GC, GM, CL-ML, ML	A-4	0	0-10	65-85	55-75	45-70	35-55	20-30	NP-10
	8-23	Loam, silt loam, clay loam	CL-ML, CL	A-4, A-6	0	0-5	90-100	80-95	75-90	65-75	25-40	5-20
	23-45	Cemented			0	0	0	0	0	0	---	NP
Wieland	0-4	Gravelly loam	GC, CL, SC	A-6	0	0-5	60-85	50-75	45-70	35-60	25-35	10-15
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	50-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
1193:												
Cherry Spring	0-8	Silt loam	ML	A-4	0	0	95-100	95-100	85-95	70-80	20-25	NP-5
	8-23	Loam, silt loam, clay loam	CL-ML, CL	A-4, A-6	0	0-5	90-100	80-95	75-90	65-75	25-40	5-20
	23-45	Cemented			0	0	0	0	0	0	---	NP
Hunnton	0-3	Silt loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Chiara----------	0-6	Silt loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-40	Indurated			0	0	0	0	0	0	---	NP
1210:												
Skull Creek-----	0-6	Very fine sandy loam	ML	A-4	0	0-10	95-100	85-100	80-95	50-65	15-25	NP-5
	6-34	Gravelly loam, gravelly sandy loam, loam	SM, ML	A-2, A-4, A-1	0	0-10	65-100	55-100	35-95	20-75	15-25	NP-5
	34-38	Indurated			0	0	0	0	0	0	---	NP
Shabliss--------	0-10	Very fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	55-65	20-25	NP-5
	10-16	Cemented			0	0	0	0	0	0	---	NP
	16-35	Loam, fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	50-60	15-25	NP-5
	35-60	Very gravelly fine sandy loam, very gravelly loamy sand	SM, GM, SP-SM, GP-GM	A-1	0	0	50-75	25-50	15-40	5-25	15-25	NP-5
Puett----------	0-3	Sandy loam	SM	A-4	0	0	90-100	85-95	60-80	35-50	---	NP
	3-10	Coarse sandy loam, fine sandy loam, sandy loam	SM, ML	A-1, A-2, A-4	0	0	80-100	75-95	40-80	15-55	---	NP
	10-14	Weathered bedrock			0	0	0	0	0	0	---	NP
1220:												
Hunnton---------	0-3	Loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hunnton---------	0-3	Loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP
Fulstone--------	0-5	Cobbly loam	GM-GC, SC-SM	A-4	0	15-30	65-80	65-75	50-60	35-50	20-30	5-10
	5-17	Clay, gravelly clay	CH, MH	A-7	0	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated			0	0	0	0	0	0	---	NP
1221:												
Hunnton---------	0-3	Gravelly loam	GC, CL	A-6	0	0-5	60-75	55-70	50-65	45-55	25-35	10-15
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP
Hunnton---------	0-3	Loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP
Fulstone--------	0-5	Gravelly loam	SC-SM, SC, CL-ML, CL	A-4, A-6	0	0	75-95	65-75	45-60	40-55	25-35	5-15
	5-17	Clay, gravelly clay	CH, MH	A-7	0	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1223:												
Hunnton	0-3	Gravelly loam	GC, CL	A-6	0	0-5	60-75	55-70	50-65	45-55	25-35	10-15
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP
Shabliss	0-10	Very fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	55-65	20-25	NP-5
	10-16	Cemented			0	0	0	0	0	0	---	NP
	16-35	Loam, fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	50-60	15-25	NP-5
	35-60	Very gravelly fine sandy loam, very gravelly loamy sand	SM, GM, SP-SM, GP-GM	A-1	0	0	50-75	25-50	15-40	5-25	15-25	NP-5
Puett	0-3	Very cobbly loamy sand	SM	A-1	0	30-45	65-80	55-70	30-50	10-20	---	NP
	3-10	Sandy loam	SM	A-2, A-4	0	0	85-100	75-100	45-70	25-40	15-25	NP-5
	10-20	Weathered bedrock			0	0	0	0	0	0	---	NP
1224:												
Hunnton	0-3	Loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Trunk	0-5	Very cobbly loam	GM-GC, SC-SM, SC, GC	A-4, A-6	0-5	30-45	55-80	50-75	45-70	35-50	25-35	5-15
	5-23	Gravelly clay, gravelly clay loam	CL, GC, CH	A-7	0	0-10	55-85	50-80	45-75	40-65	40-55	20-30
	23-27	Unweathered bedrock			0	0	0	0	0	0	---	NP
Shabliss	0-10	Gravelly loam	CL-ML, SC-SM, GM-GC	A-2, A-4	0	0	55-80	50-75	40-60	30-55	20-30	5-10
	10-16	Cemented			0	0	0	0	0	0	---	NP
	16-35	Loam, fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	50-60	15-25	NP-5
	35-60	Very gravelly fine sandy loam, very gravelly loamy sand	SM, GM, SP-SM, GP-GM	A-1	0	0	50-75	25-50	15-40	5-25	15-25	NP-5
1226:												
Hunnton	0-3	Gravelly loam	GC, CL	A-6	0	0-5	60-75	55-70	50-65	45-55	25-35	10-15
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP
Wieland	0-4	Gravelly loam	GC, CL, SC	A-6	0	0-5	60-85	50-75	45-70	35-60	25-35	10-15
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	50-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Clementine------	0-3	Silt loam	CL-ML, ML	A-4	0	0	100	100	95-100	75-90	25-35	5-10
	3-44	Stratified silt loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	80-95	35-45	10-15
	44-60	Stratified loam to silty clay loam	ML	A-6, A-7	0	0	100	100	95-100	70-80	35-45	10-15
1227:												
Hunnton---------	0-3	Silt loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP
Chiara----------	0-6	Silt loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-40	Indurated			0	0	0	0	0	0	---	NP
Bilbo-----------	0-5	Cobbly loam	GC, CL, GM-GC, CL-ML	A-6, A-4	0	15-25	70-95	70-90	60-75	45-65	25-35	5-15
	5-40	Very gravelly sandy clay, very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0-5	0-25	45-65	35-50	30-45	20-40	40-55	20-35
	40-60	Extremely gravelly loamy sand, very gravelly sandy loam	GP-GM, GM	A-1	0	0-10	30-60	15-50	10-40	5-20	15-25	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1228:												
Hunnton	0-3	Silt loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP
Hunnton	0-3	Silt loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP
1229:												
Hunnton	0-3	Silt loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-44	Indurated			0	0	0	0	0	0	---	NP
Chiara	0-6	Silt loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-40	Indurated			0	0	0	0	0	0	---	NP
Wieland	0-4	Silt loam	CL-ML	A-4	0	0	95-100	90-100	85-95	75-85	20-30	5-10
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	55-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1230:												
Fulstone--------	0-5	Gravelly loam	SC-SM, SC, CL-ML, CL	A-4, A-6	0	0	75-95	65-75	45-60	40-55	25-35	5-15
	5-17	Clay, gravelly clay	CH, MH	A-7	0	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated			0	0	0	0	0	0	---	NP
Hunnton---------	0-3	Loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP
1231:												
Fulstone--------	0-5	Very cobbly silt loam	GM-GC, GC, SC-SM, SC	A-4, A-6	0	30-45	55-75	45-60	40-55	35-50	25-35	5-15
	5-17	Clay, gravelly clay	CH, MH	A-7	0	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated			0	0	0	0	0	0	---	NP
Fulstone--------	0-5	Very cobbly silt loam	GM-GC, GC, SC-SM, SC	A-4, A-6	0	30-45	55-75	45-60	40-55	35-50	25-35	5-15
	5-17	Clay, gravelly clay	CH, MH	A-7	0	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated			0	0	0	0	0	0	---	NP
Hunnton---------	0-3	Loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1232:												
Fulstone--------	0-5	Gravelly loam	SC-SM, SC, CL-ML, CL	A-4, A-6	0	0	75-95	65-75	45-60	40-55	25-35	5-15
	5-17	Clay, gravelly clay	CH, MH	A-7	0	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated			0	0	0	0	0	0	---	NP
Fulstone--------	0-5	Cobbly loam	GM-GC, SC-SM	A-4	0	15-30	65-80	65-75	50-60	35-50	20-30	5-10
	5-17	Clay, gravelly clay	CH, MH	A-7	0	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated			0	0	0	0	0	0	---	NP
Wieland---------	0-4	Loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-90	50-75	20-30	NP-10
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	55-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
1241:												
Enko------------	0-8	Fine sandy loam	SC-SM	A-4	0	0	95-100	85-100	60-75	35-50	20-30	5-10
	8-15	Loam, sandy loam, fine sandy loam	SC-SM, CL-ML	A-4	0	0	95-100	85-100	60-90	35-70	20-30	5-10
	15-38	Sandy loam, fine sandy loam, loam	SC-SM, CL-ML	A-2, A-4	0	0	85-100	75-100	60-90	30-65	20-25	5-10
	38-60	Sandy loam, fine sandy loam, loam	SC-SM, CL-ML	A-2, A-4	0	0	85-100	75-100	60-90	30-65	20-25	5-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Shabliss--------	0-10	Very fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	55-65	20-25	NP-5
	10-16	Cemented			0	0	0	0	0	0	---	NP
	16-35	Loam, fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	50-60	15-25	NP-5
	35-60	Very gravelly fine sandy loam, very gravelly loamy sand	SM, GM, SP-SM, GP-GM	A-1	0	0	50-75	25-50	15-40	5-25	15-25	NP-5
Orovada---------	0-5	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	80-95	60-75	20-30	NP-5
	5-29	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-100	60-80	40-60	20-30	NP-5
	29-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-100	60-85	35-55	20-30	NP-5
1242:												
Enko----------	0-8	Fine sandy loam	SC-SM	A-4	0	0	95-100	85-100	60-75	35-50	20-30	5-10
	8-15	Loam, sandy loam, fine sandy loam	SC-SM, CL-ML	A-4	0	0	95-100	85-100	60-90	35-70	20-30	5-10
	15-38	Sandy loam, fine sandy loam, loam	SC-SM, CL-ML	A-2, A-4	0	0	85-100	75-100	60-90	30-65	20-25	5-10
	38-60	Sandy loam, fine sandy loam, loam	SC-SM, CL-ML	A-2, A-4	0	0	85-100	75-100	60-90	30-65	20-25	5-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Enko	0-8	Fine sandy loam	SC-SM	A-4	0	0	95-100	85-100	60-75	35-50	20-30	5-10
	8-15	Loam, sandy loam, fine sandy loam	SC-SM, CL-ML	A-4	0	0	95-100	85-100	60-90	35-70	20-30	5-10
	15-38	Sandy loam, fine sandy loam, loam	SC-SM, CL-ML	A-2, A-4	0	0	85-100	75-100	60-90	30-65	20-25	5-10
	38-60	Sandy loam, fine sandy loam, loam	SC-SM, CL-ML	A-2, A-4	0	0	85-100	75-100	60-90	30-65	20-25	5-10
1260:												
Kleckner	0-8	Gravelly loam	CL-ML, ML	A-4	0	0-25	65-90	60-85	55-80	50-75	25-35	5-10
	8-20	Very gravelly clay loam, very cobbly clay loam, very cobbly clay	GC, SC	A-2, A-7	0	10-45	45-70	30-60	30-55	25-45	40-55	25-35
	20-42	Very gravelly clay loam, very gravelly clay, very cobbly clay	GC, SC	A-2, A-7	0	0-45	45-90	25-50	25-45	20-40	40-55	25-35
	42-60	Extremely gravelly sandy loam	GM-GC, GP-GC	A-1, A-2	0	0-10	20-30	15-25	10-20	5-15	25-30	5-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Upville---------	0-10	Gravelly loam	SC-SM, CL-ML	A-4	0	0-10	70-90	60-85	55-80	40-65	25-30	5-10
	10-19	Very gravelly loam, gravelly coarse sandy loam, very gravelly sandy loam	GM-GC, SC-SM, GC, SC	A-2, A-4, A-6	0	0-20	45-80	40-75	35-65	30-50	25-35	5-15
	19-61	Extremely gravelly coarse sand, extremely cobbly sand, extremely cobbly loamy sand	GP, GP-GM	A-1	0	25-50	15-40	10-35	10-25	0-10	---	NP
Fulstone--------	0-5	Very cobbly loam	GM-GC, GC, SC-SM, SC	A-4, A-6	0	30-45	55-75	45-60	40-55	35-50	25-35	5-15
	5-17	Clay, gravelly clay	CH, MH	A-7	0	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	17-40	Indurated			0	0	0	0	0	0	---	NP
1261:												
Kleckner--------	0-8	Gravelly loam	CL-ML, ML	A-4	0	0-25	65-90	60-85	55-80	50-75	25-35	5-10
	8-20	Very gravelly clay loam, very cobbly clay loam, very cobbly clay	GC, SC	A-2, A-7	0	10-45	45-70	30-60	30-55	25-45	40-55	25-35
	20-42	Very gravelly clay loam, very gravelly clay, very cobbly clay	GC, SC	A-2, A-7	0	0-45	45-90	25-50	25-45	20-40	40-55	25-35
	42-60	Extremely gravelly sandy loam	GM-GC, GP-GC	A-1, A-2	0	0-10	20-30	15-25	10-20	5-15	25-30	5-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Heechee---------	0-7	Cobbly loam	CL-ML, CL, SC-SM, SC	A-4, A-6	0-10	15-25	80-95	70-80	60-75	45-60	25-35	5-15
	7-27	Very cobbly clay loam, very gravelly sandy clay loam, very cobbly loam	GC	A-2, A-6	0-15	25-50	45-75	35-65	30-60	25-50	30-40	10-20
	27-61	Extremely cobbly sandy loam, extremely cobbly coarse sandy loam, extremely cobbly loam	GP-GM, GM, GP-GC, GM-GC	A-1, A-2	0-10	45-55	30-60	20-50	10-35	5-20	20-30	NP-10
1290:												
Tweba-----------	0-15	Very fine sandy loam	ML, CL-ML	A-4	0	0	100	100	85-95	50-65	20-30	NP-10
	15-27	Fine sandy loam, very fine sandy loam, loam	ML	A-4	0	0	100	100	80-95	50-65	20-25	NP-5
	27-60	Stratified very fine sandy loam to loamy sand	SM	A-2, A-4	0	0	90-100	90-100	55-75	25-45	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1350:												
Shabliss--------	0-10	Gravelly loam	CL-ML, SC-SM, GM-GC	A-2, A-4	0	0	55-80	50-75	40-60	30-55	20-30	5-10
	10-16	Cemented			0	0	0	0	0	0	---	NP
	16-35	Loam, fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	50-60	15-25	NP-5
	35-60	Very gravelly fine sandy loam, very gravelly loamy sand	SM, GM, SP-SM, GP-GM	A-1	0	0	50-75	25-50	15-40	5-25	15-25	NP-5
Hunnton---------	0-3	Gravelly loam	GC, CL	A-6	0	0-5	60-75	55-70	50-65	45-55	25-35	10-15
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP
Bioya----------	0-10	Loam	ML, CL-ML	A-4	0	0	100	95-100	80-100	50-80	20-30	NP-10
	10-36	Silt loam, loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	85-100	50-80	25-35	5-15
	36-60	Indurated			0	0	0	0	0	0	---	NP
1351:												
Shabliss--------	0-10	Very fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	55-65	20-25	NP-5
	10-16	Cemented			0	0	0	0	0	0	---	NP
	16-35	Loam, fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	50-60	15-25	NP-5
	35-60	Very gravelly fine sandy loam, very gravelly loamy sand	SM, GM, SP-SM, GP-GM	A-1	0	0	50-75	25-50	15-40	5-25	15-25	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Bartome	0-7	Very fine sandy loam	SM, SC-SM, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP
1352:												
Shabliss	0-10	Very fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	55-65	20-25	NP-5
	10-16	Cemented			0	0	0	0	0	0	---	NP
	16-35	Loam, fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	50-60	15-25	NP-5
	35-60	Very gravelly fine sandy loam, very gravelly loamy sand	SM, GM, SP-SM, GP-GM	A-1	0	0	50-75	25-50	15-40	5-25	15-25	NP-5
Skull Creek	0-6	Very fine sandy loam	ML	A-4	0	0-10	95-100	85-100	80-95	50-65	15-25	NP-5
	6-34	Gravelly loam, gravelly sandy loam, loam	SM, ML	A-2, A-4, A-1	0	0-10	65-100	55-100	35-95	20-75	15-25	NP-5
	34-38	Indurated			0	0	0	0	0	0	---	NP
Puett	0-3	Very cobbly sandy loam	SM, GM	A-1, A-2	0	30-45	50-75	45-70	30-55	15-35	15-25	NP-5
	3-10	Sandy loam	SM	A-2, A-4	0	0	85-100	75-100	45-70	25-40	15-25	NP-5
	10-20	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1360:												
Orovada	0-5	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	80-95	60-75	20-30	NP-5
	5-29	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-95	60-80	40-60	20-30	NP-5
	29-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-95	60-85	35-55	20-30	NP-5
1362:												
Orovada	0-5	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	80-95	60-75	20-30	NP-5
	5-29	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-100	60-80	40-60	20-30	NP-5
	29-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-100	60-85	35-55	20-30	NP-5
Clurde	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP
Wieland	0-4	Loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-90	50-75	20-30	NP-10
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	55-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1363:												
Orovada	0-5	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	80-95	60-75	20-30	NP-5
	5-29	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-95	60-80	40-60	20-30	NP-5
	29-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-95	60-85	35-55	20-30	NP-5
Tweba	0-5	Sandy loam	SM, SC-SM, CL-ML, ML	A-2, A-4	0	0	100	100	60-80	30-55	20-30	NP-10
	5-35	Fine sandy loam, very fine sandy loam, loam	ML	A-4	0	0	100	100	80-95	50-65	20-25	NP-5
	35-60	Stratified very fine sandy loam to loamy sand	SM	A-2, A-4	0	0	90-100	90-100	55-75	25-45	15-20	NP-5
Weso	0-6	Very fine sandy loam	SM, ML	A-4	0	0	95-100	90-100	80-90	40-55	15-25	NP-5
	6-12	Fine sandy loam, very fine sandy loam, loam	ML, CL-ML, SM, SC-SM	A-4	0	0	95-100	85-100	70-85	45-60	15-30	NP-10
	12-25	Fine sandy loam, very fine sandy loam	ML, SM	A-4	0	0	95-100	85-100	70-85	45-60	15-25	NP-5
	25-60	Stratified very gravelly loamy sand to fine sandy loam	SM	A-1, A-2	0	0	80-90	70-80	45-55	20-30	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1530:												
Creemon	0-8	Silt loam	ML	A-4	0	0	100	100	95-100	85-90	---	NP
	8-14	Very fine sandy loam, silt loam	ML	A-4	0	0	100	100	95-100	85-90	25-30	NP-5
	14-47	Stratified very fine sandy loam to silt loam	ML	A-4	0	0	100	100	95-100	85-90	25-30	NP-5
	47-60	Stratified gravelly very fine sandy loam to fine sandy loam	SM	A-4	0	0	80-90	70-85	60-70	35-50	---	NP
Placeritos	0-13	Silt loam	ML	A-4, A-6	0	0	100	100	95-100	75-95	30-40	5-15
	13-60	Stratified very fine sandy loam to silty clay loam	ML	A-4, A-6	0	0	100	100	95-100	85-100	30-40	5-15
1572:												
Weso	0-6	Very fine sandy loam	SM, ML	A-4	0	0	95-100	90-100	80-90	40-55	15-25	NP-5
	6-12	Fine sandy loam, very fine sandy loam, loam	ML, CL-ML, SM, SC-SM	A-4	0	0	95-100	85-100	70-85	45-60	15-30	NP-10
	12-25	Fine sandy loam, very fine sandy loam	ML, SM	A-4	0	0	95-100	85-100	70-85	45-60	15-25	NP-5
	25-60	Stratified very gravelly loamy sand to fine sandy loam	SM	A-1, A-2	0	0	80-90	70-80	45-55	20-30	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Orovada	0-5	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	80-95	60-75	20-30	NP-5
	5-29	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-100	60-80	40-60	20-30	NP-5
	29-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-100	60-85	35-55	20-30	NP-5
Shabliss	0-10	Very fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	55-65	20-25	NP-5
	10-16	Cemented			0	0	0	0	0	0	---	NP
	16-35	Loam, fine sandy loam	ML	A-4	0	0	90-100	75-100	65-90	50-60	15-25	NP-5
	35-60	Very gravelly fine sandy loam, very gravelly loamy sand	SM, GM-SP-SM, GP-GM	A-1	0	0	50-75	25-50	15-40	5-25	15-25	NP-5
1573:												
Weso	0-6	Very fine sandy loam	SM, ML	A-4	0	0	95-100	90-100	80-90	40-55	15-25	NP-5
	6-12	Fine sandy loam, very fine sandy loam, loam	ML, CL-ML, SM, SC-SM	A-4	0	0	95-100	85-100	70-85	45-60	15-30	NP-10
	12-25	Fine sandy loam, very fine sandy loam	ML, SM	A-4	0	0	95-100	85-100	70-85	45-60	15-25	NP-5
	25-60	Stratified very gravelly loamy sand to fine sandy loam	SM	A-1, A-2	0	0	80-90	70-80	45-55	20-30	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Orovada	0-5	Loam	ML	A-4	0	0	95-100	90-100	80-95	60-75	25-35	NP-5
	5-29	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-100	60-80	40-60	20-30	NP-5
	29-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-100	60-85	35-55	20-30	NP-5
Tweba	0-5	Sandy loam	SM, SC-SM, CL-ML, ML	A-2, A-4	0	0	100	100	60-80	30-55	20-30	NP-10
	5-35	Fine sandy loam, very fine sandy loam, loam	ML	A-4	0	0	100	100	80-95	50-65	20-25	NP-5
	35-60	Stratified very fine sandy loam to loamy sand	SM	A-2, A-4	0	0	90-100	90-100	55-75	25-45	15-20	NP-5
1617:												
Cleavage	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP
Tweener---------	0-5	Very cobbly sandy loam	GM-GC, SC-SM	A-2	10-25	30-35	55-85	50-80	30-55	15-30	25-30	5-10
	5-8	Very cobbly clay loam, very cobbly loam	GC, SC	A-2, A-6, A-7	10-25	35-40	60-80	55-75	40-70	30-50	30-45	10-20
	8-18	Unweathered bedrock			0	0	0	0	0	0	---	NP
1618:												
Cleavage---------	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Sumine	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
Pequop	0-12	Gravelly loam	GM-GC, CL-ML	A-4	0	5-10	60-80	55-75	40-70	35-55	20-30	5-10
	12-50	Very gravelly sandy clay loam, extremely gravelly sandy clay loam, very gravelly clay loam	GC	A-2	0	10-30	30-55	25-50	10-40	10-35	30-40	10-20
	50-60	Very gravelly loam, extremely gravelly loam	GC	A-2	0	15-40	15-55	15-50	10-40	10-35	25-35	10-15
1619:												
Cleavage	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Tusk	0-14	Loam	CL-ML, CL	A-4, A-6	0	0-5	80-100	75-100	65-95	55-90	20-35	5-15
	14-38	Gravelly clay loam	CL, GC, SC	A-6	0-5	0-15	65-80	60-75	55-70	40-55	35-40	15-20
	38-60	Very cobbly loam, extremely cobbly loam, very gravelly clay loam	GC, SC	A-2, A-6	0-5	15-45	30-75	25-60	20-50	15-40	25-40	10-20
Sumine	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
1621:												
Cleavage	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Graley----------	0-12	Stony loam	SC-SM, SM, CL-ML, ML	A-4	1-5	5-15	70-95	60-90	50-85	35-65	20-30	NP-10
	12-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0-25	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Cleavage--------	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
1622:												
Cleavage--------	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP
1623:												
Cleavage--------	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hapgood---------	0-13	Very gravelly loam	GM-GC, GM	A-2	0	0	40-55	35-50	30-40	25-35	20-30	NP-10
	13-41	Very gravelly loam, very gravelly fine sandy loam	GM-GC, GC	A-2	0	0-10	50-60	45-55	35-50	25-35	25-30	5-10
	41-55	Very cobbly loam, very gravelly sandy loam	GM	A-1, A-2	0	15-40	55-65	50-60	35-45	20-35	20-30	NP-5
	55-59	Unweathered bedrock			0	0	0	0	0	0	---	NP
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
1625:												
Cleavage--------	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ninemile	0-4	Gravelly loam	GC, CL	A-6	0	0-5	60-85	55-75	50-70	35-60	30-35	10-15
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	50-65	25-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Sumine	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
1626:												
Cleavage	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
Carstump	0-14	Gravelly loam	ML, CL-ML	A-4	0	0-10	65-85	60-80	55-75	50-70	20-30	NP-10
	14-36	Very gravelly clay, very cobbly clay	SC, SM	A-2, A-7	0	0-50	65-75	35-50	35-45	30-40	45-60	15-30
	36-40	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Chen----------	0-7	Very cobbly loam	GC, GM-GC	A-2, A-4, A-6	0-10	45-55	55-65	50-60	45-55	30-40	25-35	5-15
	7-15	Very gravelly clay, very cobbly clay, extremely cobbly clay	GC	A-2	0-15	5-50	45-55	30-50	25-40	25-35	55-65	35-40
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
1628:												
Cleavage--------	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
Chen----------	0-7	Very cobbly loam	GC, GM-GC	A-2, A-4, A-6	0-10	45-55	55-65	50-60	45-55	30-40	25-35	5-15
	7-15	Very gravelly clay, very cobbly clay, extremely cobbly clay	GC	A-2	0-15	5-50	45-55	30-50	25-40	25-35	55-65	35-40
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Reluctan--------	0-9	Gravelly loam	SC-SM, CL-ML	A-4	0	5-10	70-80	60-75	50-65	40-55	25-30	5-10
	9-27	Gravelly clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-31	Unweathered bedrock			0	0	0	0	0	0	---	NP
1640:												
Tusk----------	0-14	Gravelly loam	GM-GC, GC, CL-ML, CL	A-4, A-6	0	0-5	60-80	50-75	40-70	35-65	20-35	5-15
	14-38	Gravelly clay loam	CL, GC, SC	A-6	0-5	0-15	65-80	60-75	55-70	40-55	35-40	15-20
	38-60	Very cobbly loam, extremely cobbly loam, very gravelly clay loam	GC, SC	A-2, A-6	0-5	15-45	30-75	25-60	20-50	15-40	25-40	10-20
Cleavage--------	0-4	Very cobbly loam	GM-GC, GC	A-2, A-4, A-6	0-5	30-45	55-75	45-65	40-60	25-50	25-35	5-15
	4-18	Very cobbly clay loam, extremely cobbly sandy clay loam, very gravelly clay loam	GC	A-2	5-15	10-40	40-55	30-45	25-45	20-35	30-45	10-20
	18-28	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Hackwood--------	0-26	Silt loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-100	70-90	60-80	20-35	5-15
	26-34	Gravelly loam, gravelly silt loam	GM-GC, SC-SM, CL-ML, CL	A-4, A-6	0	0	60-80	50-75	40-70	35-65	25-35	5-15
	34-60	Very gravelly clay loam, very gravelly silty clay loam, very gravelly loam	GC	A-2, A-6	0	0	40-60	35-50	30-45	25-40	35-40	15-20
1650:												
Ninemile--------	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Tusk----------	0-14	Gravelly loam	GM-GC, GC, CL-ML, CL	A-4, A-6	0	0-5	60-80	50-75	40-70	35-65	20-35	5-15
	14-38	Gravelly clay loam	CL, GC, SC	A-6	0-5	0-15	65-80	60-75	55-70	40-55	35-40	15-20
	38-60	Very cobbly loam, extremely cobbly loam, very gravelly clay loam	GC, SC	A-2, A-6	0-5	15-45	30-75	25-60	20-50	15-40	25-40	10-20
Ninemile--------	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1651:												
Ninemile	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Reluctan	0-9	Cobbly loam	SC-SM, CL-ML	A-4	0-5	10-30	80-90	70-90	60-85	40-70	20-30	5-10
	9-27	Gravelly loam, gravelly clay loam	GC, CL	A-6, A-7	0-5	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-37	Unweathered bedrock			0	0	0	0	0	0	---	NP
Ninemile	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
1652:												
Ninemile	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Graley	0-12	Very cobbly loam	GM-GC, GM, SC-SM, SM	A-4	0	30-55	65-80	65-70	55-65	35-50	20-30	NP-10
	12-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0-25	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ninemile--------	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
1653:												
Ninemile--------	0-4	Cobbly loam	ML	A-4	1-5	10-25	85-95	80-90	65-85	50-65	30-35	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	50-65	25-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Reluctan--------	0-9	Very gravelly loam	GM-GC	A-2, A-4	0	10-25	35-65	30-55	25-55	20-40	25-30	5-10
	9-27	Gravelly clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-31	Unweathered bedrock			0	0	0	0	0	0	---	NP
Graley----------	0-7	Stony loam	SC-SM, SM, CL-ML, ML	A-4	1-5	5-15	70-95	60-90	50-85	35-65	20-30	NP-10
	7-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0-25	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
1655:												
Ninemile--------	0-4	Very stony loam	CL-ML	A-4	5-25	15-40	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Thwoop----------	0-4	Gravelly silt loam	GM-GC, CL-ML	A-4	0	0-10	70-95	55-75	40-65	40-65	25-30	5-10
	4-10	Silt loam	CL	A-6	0	0-10	90-95	85-90	50-75	50-75	30-35	10-15
	10-25	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	10-25	45-60	40-55	30-45	30-45	40-55	20-30
	25-27	Indurated			0	0	0	0	0	0	---	NP
	27-37	Unweathered bedrock			0	0	0	0	0	0	---	NP
Pequop----------	0-12	Gravelly loam	GM-GC, CL-ML	A-4	0	5-10	60-80	55-75	40-70	35-55	20-30	5-10
	12-50	Very gravelly sandy clay loam, extremely gravelly sandy clay loam, very gravelly clay loam	GC	A-2	0	10-30	30-55	25-50	10-40	10-35	30-40	10-20
	50-60	Very gravelly loam, extremely gravelly loam	GC	A-2	0	15-40	15-55	15-50	10-40	10-35	25-35	10-15
1656:												
Ninemile--------	0-4	Gravelly loam	GC, CL	A-6	0	0-5	60-85	55-75	50-70	35-60	30-35	10-15
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	50-65	25-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Pequop----------	0-12	Gravelly loam	GM-GC, CL-ML	A-4	0	5-10	60-80	55-75	40-70	35-55	20-30	5-10
	12-50	Very gravelly sandy clay loam, extremely gravelly sandy clay loam, very gravelly clay loam	GC	A-2	0	10-30	30-55	25-50	10-40	10-35	30-40	10-20
	50-60	Very gravelly loam, extremely gravelly loam	GC	A-2	0	15-40	15-55	15-50	10-40	10-35	25-35	10-15
Gumble----------	0-4	Very gravelly sandy loam	GM-GC	A-1, A-2	0	5-15	50-60	40-50	25-35	15-25	25-30	5-10
	4-18	Clay, gravelly clay	CH, GC	A-7	0	0-15	65-100	60-90	55-85	45-70	50-65	25-40
	18-22	Weathered bedrock			0	0	0	0	0	0	---	NP
1657:												
Ninemile--------	0-4	Gravelly loam	GC, CL	A-6	0	0-5	60-85	55-75	50-70	35-60	30-35	10-15
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	50-65	25-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Alyan----------	0-9	Gravelly loam	GM-GC, CL-ML, GC, CL	A-2, A-4, A-6	0	0-5	55-80	50-75	35-60	25-55	25-35	5-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	25-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1658:												
Ninemile	0-4	Gravelly loam	GC, CL	A-6	0	0-5	60-85	55-75	50-70	35-60	30-35	10-15
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	50-65	25-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Vanwyper	0-10	Very cobbly loam	SC	A-2, A-6	0-5	30-45	70-80	55-65	40-55	30-40	25-35	10-15
	10-25	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-10	30-55	55-75	50-65	45-60	40-55	40-60	20-40
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP
Ninemile	0-4	Gravelly loam	GC, CL	A-6	0	0-5	60-85	55-75	50-70	35-60	30-35	10-15
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	50-65	25-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
1659:												
Ninemile	0-4	Gravelly loam	GC, CL	A-6	0	0-5	60-85	55-75	50-70	35-60	30-35	10-15
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	50-65	25-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Carstump	0-14	Gravelly loam	ML, CL-ML	A-4	0	0-10	65-85	60-80	55-75	50-70	20-30	NP-10
	14-36	Very gravelly clay, very cobbly clay	SC, SM	A-2, A-7	0	0-50	65-75	35-50	35-45	30-40	45-60	15-30
	36-40	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1660:												
Susie Creek-----	0-10	Loam	CL	A-6	0	0	90-100	75-100	70-95	55-75	30-35	10-15
	10-30	Clay loam, clay	CL, CH	A-7	0	0-10	90-100	85-100	70-100	70-95	40-60	20-30
	30-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0	0-10	90-100	85-100	65-85	50-70	25-35	5-15
Pie Creek-------	0-5	Loam	ML	A-4	0	0-10	95-100	90-100	80-90	60-70	25-30	NP-5
	5-23	Clay	CH	A-7	0	0	95-100	90-100	85-95	80-90	65-70	35-40
	23-27	Unweathered bedrock			0	0	0	0	0	0	---	NP
Pattani----------	0-14	Clay	CH	A-7	0	0	95-100	90-100	80-90	70-80	50-60	30-40
	14-37	Clay loam, silty clay loam, clay	CL, CH	A-7	0	0	85-95	80-90	75-85	65-80	40-55	25-35
	37-41	Weathered bedrock			0	0	0	0	0	0	---	NP
1671:												
Linkup----------	0-3	Cobbly loam	CL-ML	A-4	0	15-30	75-95	70-90	60-80	50-60	20-30	5-10
	3-5	Cobbly clay loam, very cobbly clay loam, cobbly clay	CL	A-6, A-7	0	25-45	80-100	75-90	70-80	55-70	35-50	15-25
	5-17	Clay, cobbly clay	CH	A-7	0	0-40	90-100	85-100	75-90	70-80	50-60	25-35
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Carstump--------	0-14	Very gravelly loam	SM, SC-SM	A-2	0	0	65-75	35-50	35-45	25-35	25-35	5-10
	14-36	Very gravelly clay, very cobbly clay	SC, SM	A-2, A-7	0	0-50	65-75	35-50	35-45	30-40	45-60	15-30
	36-60	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Linkup----------	0-3	Very cobbly loam	GM-GC	A-2, A-4	0-5	30-45	50-75	45-70	35-60	25-50	20-30	5-10
	3-5	Cobbly clay loam, very cobbly clay loam, cobbly clay	CL	A-6, A-7	0	25-45	80-100	75-90	70-80	55-70	35-50	15-25
	5-17	Clay, cobbly clay	CH	A-7	0	0-40	90-100	85-100	75-90	70-80	50-60	25-35
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
1672:												
Linkup----------	0-3	Very cobbly loam	GM-GC	A-2, A-4	0-5	30-45	50-75	45-70	35-60	25-50	20-30	5-10
	3-5	Cobbly clay loam, very cobbly clay loam, cobbly clay	CL	A-6, A-7	0	25-45	80-100	75-90	70-80	55-70	35-50	15-25
	5-17	Clay, cobbly clay	CH	A-7	0	0-40	90-100	85-100	75-90	70-80	50-60	25-35
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Carstump--------	0-14	Gravelly loam	ML, CL-ML	A-4	0	0-10	65-85	60-80	55-75	50-70	20-30	NP-10
	14-36	Very gravelly clay, very cobbly clay	SC, SM	A-2, A-7	0	0-50	65-75	35-50	35-45	30-40	45-60	15-30
	36-40	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Linkup----------	0-3	Very cobbly loam	GM-GC	A-2, A-4	0-5	30-45	50-75	45-70	35-60	25-50	20-30	5-10
	3-5	Cobbly clay loam, very cobbly clay loam, cobbly clay	CL	A-6, A-7	0	25-45	80-100	75-90	70-80	55-70	35-50	15-25
	5-17	Clay, cobbly clay	CH	A-7	0	0-40	90-100	85-100	75-90	70-80	50-60	25-35
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
1673:												
Linkup----------	0-3	Very gravelly loam	GM-GC	A-2	0	0-15	40-60	30-50	25-50	20-35	20-30	5-10
	3-5	Clay loam, gravelly clay loam, gravelly clay	CL, GC	A-6, A-7	0	0-10	55-100	50-90	45-80	40-75	35-50	15-25
	5-17	Clay, gravelly clay	CH, GC	A-7	0	0-10	55-100	50-90	45-85	40-80	50-60	25-35
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Quarz----------	0-6	Very gravelly loam	GC	A-2	0	0-15	40-55	35-50	30-45	20-35	25-35	10-15
	6-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	30-55	25-50	20-45	15-40	45-60	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
Alyan----------	0-9	Cobbly loam	SC, CL	A-6	0-1	15-30	80-100	70-90	60-85	40-70	25-35	10-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CH, CL	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-7, A-2	0	0-5	40-55	40-50	35-45	20-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1675:												
Linkup	0-3	Gravelly clay loam	CL	A-6, A-7	0	0-10	65-90	60-85	55-80	50-70	35-45	15-20
	3-5	Clay loam, gravelly clay loam, gravelly clay	CL, GC	A-6, A-7	0	0-10	55-100	50-90	45-80	40-75	35-50	15-25
	5-17	Clay, gravelly clay	CH, GC	A-7	0	0-10	55-100	50-90	45-85	40-80	50-60	25-35
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Snowmore	0-4	Very fine sandy loam	CL-ML	A-4	0	0-10	90-100	85-100	70-85	50-65	25-30	5-10
	4-13	Loam, clay loam, sandy clay loam	CL	A-6	0	0-10	90-100	85-100	70-90	50-75	30-40	10-15
	13-22	Loam, clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-10	70-100	60-100	50-80	40-75	35-45	15-25
	22-28	Indurated			0	0	0	0	0	0	---	NP
	28-32	Unweathered bedrock			0	0	0	0	0	0	---	NP
Ratsow	0-7	Loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	7-29	Clay loam, clay	CL, CH	A-7	0	0	80-100	75-100	70-90	55-70	40-55	20-30
	29-30	Indurated			0	0	0	0	0	0	---	NP
	30-34	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1676:												
Linkup----------	0-3	Cobbly loam	CL-ML	A-4	0	15-30	75-95	70-90	60-80	50-60	20-30	5-10
	3-5	Cobbly clay loam, very cobbly clay loam, cobbly clay	CL	A-6, A-7	0	25-45	80-100	75-90	70-80	55-70	35-50	15-25
	5-17	Clay, cobbly clay	CH	A-7	0	0-40	90-100	85-100	75-90	70-80	50-60	25-35
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Quarz----------	0-6	Very gravelly loam	GC	A-2	0	0-15	40-55	35-50	30-45	20-35	25-35	10-15
	6-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	30-55	25-50	20-45	15-40	45-60	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
1680:												
Carstump--------	0-14	Very gravelly loam	SM, SC-SM	A-2	0	0	65-75	35-50	35-45	25-35	25-35	5-10
	14-36	Very gravelly clay, very cobbly clay	SC, SM	A-2, A-7	0	0-50	65-75	35-50	35-45	30-40	45-60	15-30
	36-40	Unweathered bedrock			0	0	0	0	0	0	---	NP
Reluctan--------	0-9	Cobbly loam	SC-SM, CL-ML	A-4	0-5	10-30	80-90	70-90	60-85	40-70	20-30	5-10
	9-27	Gravelly loam, gravelly clay loam	GC, CL	A-6, A-7	0-5	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-37	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ninemile--------	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
1685:												
Carstump--------	0-14	Very gravelly loam	SM, SC-SM	A-2	0	0	65-75	35-50	35-45	25-35	25-35	5-10
	14-36	Very gravelly clay, very cobbly clay	SC, SM	A-2, A-7	0	0-50	65-75	35-50	35-45	30-40	45-60	15-30
	36-40	Unweathered bedrock			0	0	0	0	0	0	---	NP
Ninemile--------	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Graley----------	0-12	Very cobbly loam	GM-GC, GM, SC-SM, SM	A-4	0	30-55	65-80	65-70	55-65	35-50	20-30	NP-10
	12-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0-25	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
1686:												
Carstump--------	0-14	Gravelly loam	ML, CL-ML	A-4	0	0-10	65-85	60-80	55-75	50-70	20-30	NP-10
	14-36	Very gravelly clay, very cobbly clay	SC, SM	A-2, A-7	0	0-50	65-75	35-50	35-45	30-40	45-60	15-30
	36-40	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Reluctan--------	0-9	Cobbly loam	SC-SM, CL-ML	A-4	0-5	10-30	80-90	70-90	60-85	40-70	20-30	5-10
	9-27	Gravelly loam, gravelly clay loam	GC, CL	A-6, A-7	0-5	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-37	Unweathered bedrock			0	0	0	0	0	0	---	NP
Ninemile--------	0-4	Very stony loam	CL-ML	A-4	5-25	15-40	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
1687:												
Carstump--------	0-14	Cobbly loam	ML, CL-ML	A-4	0	15-30	90-95	80-90	75-85	60-70	20-30	NP-10
	14-36	Very cobbly clay, very gravelly clay	SC, SM, GC, GM	A-2, A-7	0	30-65	45-90	35-80	35-60	30-50	45-60	15-30
	36-40	Unweathered bedrock			0	0	0	0	0	0	---	NP
Linkup----------	0-3	Cobbly loam	CL-ML	A-4	0	15-30	75-95	70-90	60-80	50-60	20-30	5-10
	3-5	Cobbly clay loam, very cobbly clay loam, cobbly clay	CL	A-6, A-7	0	25-45	80-100	75-90	70-80	55-70	35-50	15-25
	5-17	Clay, cobbly clay	CH	A-7	0	0-40	90-100	85-100	75-90	70-80	50-60	25-35
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Carstump--------	0-14	Gravelly loam	ML, CL-ML	A-4	0	0-10	65-85	60-80	55-75	50-70	20-30	NP-10
	14-36	Very gravelly clay, very cobbly clay	SC, SM	A-2, A-7	0	0-50	65-75	35-50	35-45	30-40	45-60	15-30
	36-40	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1691:												
Rock Outcrop.												
Pequop----------	0-12	Gravelly loam	GM-GC, CL-ML	A-4	0	5-10	60-80	55-75	40-70	35-55	20-30	5-10
	12-50	Very gravelly sandy clay loam, extremely gravelly sandy clay loam, very gravelly clay loam	GC	A-2	0	10-30	30-55	25-50	10-40	10-35	30-40	10-20
	50-60	Very gravelly loam, extremely gravelly loam	GC	A-2	0	15-40	15-55	15-50	10-40	10-35	25-35	10-15
Rubble Land-----	0-60	Fragmental material	GP	A-1	30-65	30-65	0-10	0-5	0-5	0	0-14	NP
1700:												
Cotant----------	0-3	Gravelly clay loam	GC, CL	A-6, A-7	0	0	60-85	50-70	40-65	35-60	35-45	15-20
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP
Quarz----------	0-6	Very gravelly loam	GC	A-2	0	0-15	40-55	35-50	30-45	20-35	25-35	10-15
	6-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	30-55	25-50	20-45	15-40	45-60	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ninemile--------	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
1702:												
Cotant----------	0-3	Gravelly clay loam	GC, CL	A-6, A-7	0	0	60-85	50-70	40-65	35-60	35-45	15-20
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP
McIvey----------	0-16	Cobbly loam	CL	A-6	0	15-25	75-95	65-90	60-80	50-70	30-40	10-15
	16-29	Very gravelly clay loam, gravelly clay loam	GC, SC, CL	A-7	0	0-10	55-85	45-75	40-70	35-60	40-45	20-25
	29-65	Very gravelly clay, very cobbly clay, extremely cobbly clay	GC	A-7, A-2	0-25	10-55	45-60	35-50	35-45	30-45	45-55	30-35
Blitzen---------	0-10	Very gravelly clay loam	GC	A-2	0	0-10	35-55	30-50	25-40	20-30	35-45	15-20
	10-33	Very gravelly clay, very gravelly clay loam	GC	A-2	0	0-10	35-55	30-50	25-40	20-35	45-65	20-35
	33-37	Weathered bedrock			0	0	0	0	0	0	---	NP
1703:												
Cotant----------	0-3	Gravelly clay loam	GC, CL	A-6, A-7	0	0	60-85	50-70	40-65	35-60	35-45	15-20
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Lerrow----------	0-9	Cobbly loam	SC, CL	A-6	0	30-40	80-95	75-90	65-75	45-55	30-35	10-15
	9-14	Clay loam, gravelly clay loam	CL, GC	A-7	0	0	55-90	50-85	45-80	35-65	40-50	20-25
	14-27	Cobbly clay, gravelly clay, clay	CH	A-7	0-5	10-25	75-95	65-85	60-75	55-70	50-60	25-35
	27-31	Weathered bedrock			0	0	0	0	0	0	---	NP
Bullump---------	0-12	Very gravelly loam	GC, SC	A-2	0	0-10	45-70	35-50	30-45	25-35	25-35	10-15
	12-46	Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam	GC	A-2, A-6, A-7	0	0-15	40-65	30-50	25-45	15-40	35-45	15-20
	46-50	Unweathered bedrock			0	0	0	0	0	0	---	NP
1711:												
Reluctan--------	0-9	Cobbly loam	SC-SM, CL-ML	A-4	0-5	10-30	80-90	70-90	60-85	40-70	20-30	5-10
	9-27	Gravelly loam, gravelly clay loam	GC, CL	A-6, A-7	0-5	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-37	Unweathered bedrock			0	0	0	0	0	0	---	NP
Ninemile--------	0-4	Cobbly loam	ML	A-4	1-5	10-25	85-95	80-90	65-85	50-65	30-35	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	50-65	25-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cleavage--------	0-4	Gravelly loam	SC-SM, SC	A-2, A-4, A-6	0	0-10	75-90	55-75	40-60	25-50	25-35	5-15
	4-18	Very cobbly clay loam, extremely cobbly sandy clay loam, very gravelly clay loam	GC	A-2	0	10-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-28	Unweathered bedrock			0	0	0	0	0	0	---	NP
1712:												
Reluctan--------	0-9	Cobbly loam	SC-SM, CL-ML	A-4	0-5	10-30	80-90	70-90	60-85	40-70	20-30	5-10
	9-27	Gravelly loam, gravelly clay loam	GC, CL	A-6, A-7	0-5	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-37	Unweathered bedrock			0	0	0	0	0	0	---	NP
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cleavage--------	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
1713:												
Reluctan--------	0-9	Gravelly loam	SC-SM, CL-ML	A-4	0	5-10	70-80	60-75	50-65	40-55	25-30	5-10
	9-27	Gravelly clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-31	Unweathered bedrock			0	0	0	0	0	0	---	NP
Erakatak--------	0-4	Gravelly loam	CL-ML, CL, GM-GC, GC	A-2, A-4, A-6	0	0-5	60-80	50-75	40-60	30-55	25-35	5-15
	4-19	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	40-55	15-30
	19-32	Very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	45-65	20-35
	32-35	Weathered bedrock			0	0	0	0	0	0	---	NP
	35-45	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Rugar----------	0-2	Loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-95	60-85	50-70	25-35	5-15
	2-20	Clay loam	CL	A-6, A-7	0	0	80-100	75-95	65-90	55-75	35-45	15-20
	20-43	Clay	CL, CH	A-7	0	0-5	80-100	75-95	65-90	55-70	45-60	25-35
	43-47	Weathered bedrock			0	0	0	0	0	0	---	NP
1720:												
Quarz----------	0-6	Very gravelly loam	GC	A-2	0	0-15	40-55	35-50	30-45	20-35	25-35	10-15
	6-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	30-55	25-50	20-45	15-40	45-60	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
Alyan----------	0-9	Cobbly loam	SC, CL	A-6	0-1	15-30	80-100	70-90	60-85	40-70	25-35	10-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CH, CL	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-7, A-2	0	0-5	40-55	40-50	35-45	20-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP
Ninemile--------	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1725:												
Quarz----------	0-6	Very stony loam	GC, CL, SC	A-6	0-10	25-50	60-85	55-80	50-70	35-60	25-35	10-20
	6-9	Very cobbly clay loam, very gravelly clay loam	GC	A-6, A-7, A-2	0-10	10-40	35-60	30-55	25-50	20-40	35-45	15-25
	9-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0-5	5-25	30-55	25-50	20-45	15-40	45-55	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
Cleavage--------	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
Loncan----------	0-17	Very gravelly loam	GC	A-2	0	10-15	40-60	30-45	25-40	20-35	30-35	10-15
	17-30	Very gravelly loam, extremely cobbly loam, very gravelly sandy clay loam	GC	A-2	0-5	5-55	35-60	30-50	25-40	20-35	30-35	10-15
	30-34	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1726:												
Quarz	0-6	Very gravelly loam	GC	A-2	0	0-15	40-55	35-50	30-45	20-35	25-35	10-15
	6-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	30-55	25-50	20-45	15-40	45-60	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
Ninemile	0-4	Gravelly loam	GC, CL	A-6	0	0-5	60-85	55-75	50-70	35-60	30-35	10-15
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	50-65	25-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Pequop	0-12	Gravelly loam	GM-GC, CL-ML	A-4	0	5-10	60-80	55-75	40-70	35-55	20-30	5-10
	12-50	Very gravelly sandy clay loam, extremely gravelly sandy clay loam, very gravelly clay loam	GC	A-2	0	10-30	30-55	25-50	10-40	10-35	30-40	10-20
	50-60	Very gravelly loam, extremely gravelly loam	GC	A-2	0	15-40	15-55	15-50	10-40	10-35	25-35	10-15
1730:												
Graley	0-12	Very gravelly loam	GM	A-1, A-2	0	0-5	30-50	25-45	20-40	15-30	20-25	NP-5
	12-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Erakatak--------	0-4	Very gravelly loam	GM-GC, GC	A-2	0	0-10	35-60	25-50	20-40	15-35	25-35	5-15
	4-19	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	40-55	15-30
	19-32	Very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	45-65	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP
Chen----------	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
1732:												
Graley----------	0-12	Very stony loam	GM	A-1, A-2	5-10	0-5	40-50	30-40	25-35	20-30	20-25	NP-5
	12-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0-25	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Quarz----------	0-6	Very gravelly loam	GC	A-2	0	0-15	40-55	35-50	30-45	20-35	25-35	10-15
	6-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	30-55	25-50	20-45	15-40	45-60	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ninemile--------	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
1733:												
Graley----------	0-12	Very stony loam	GM	A-1, A-2	5-10	0-5	40-50	30-40	25-35	20-30	20-25	NP-5
	12-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0-25	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Loncan----------	0-17	Very gravelly loam	GC	A-2	0	10-15	40-60	30-45	25-40	20-35	30-35	10-15
	17-30	Very gravelly loam, extremely cobbly loam, very gravelly sandy clay loam	GC	A-2	0-5	5-55	35-60	30-50	25-40	20-35	30-35	10-15
	30-34	Unweathered bedrock			0	0	0	0	0	0	---	NP
1740:												
Erakatak--------	0-4	Very gravelly loam	GM-GC, GC	A-2	0	0-10	35-60	25-50	20-40	15-35	25-35	5-15
	4-19	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	40-55	15-30
	19-32	Very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	45-65	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cleavage	0-4	Extremely gravelly loam	GM-GC	A-2	0	0-10	35-45	15-25	10-25	10-20	25-30	5-10
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
Hackwood	0-26	Silt loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-100	70-90	60-80	20-35	5-15
	26-34	Gravelly loam, gravelly silt loam	GM-GC, SC-SM, CL-ML, CL	A-4, A-6	0	0	60-80	50-75	40-70	35-65	25-35	5-15
	34-60	Very gravelly clay loam, very gravelly silty clay loam, very gravelly loam	GC	A-2, A-6	0	0	40-60	35-50	30-45	25-40	35-40	15-20
1741:												
Erakatak	0-4	Very gravelly clay loam	GC	A-2, A-6, A-7	0	0-5	35-60	25-50	20-45	15-40	35-45	15-20
	4-19	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	40-55	15-30
	19-32	Very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	45-65	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Chen----------	0-7	Very gravelly sandy clay loam	GC, SC	A-2	0	0-15	50-65	35-50	30-40	15-25	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Tusk----------	0-14	Gravelly loam	GM-GC, GC, CL-ML, CL	A-4, A-6	0	0-5	60-80	50-75	40-70	35-65	20-35	5-15
	14-38	Gravelly clay loam	CL, GC, SC	A-6	0-5	0-15	65-80	60-75	55-70	40-55	35-40	15-20
	38-60	Very cobbly loam, extremely cobbly loam, very gravelly clay loam	GC, SC	A-2, A-6	0-5	15-45	30-75	25-60	20-50	15-40	25-40	10-20
1742:												
Erakatak--------	0-4	Gravelly loam	CL-ML, CL, GM-GC, GC	A-2, A-4, A-6	0	0-5	60-80	50-75	40-60	30-55	25-35	5-15
	4-19	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	40-55	15-30
	19-32	Very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	45-65	20-35
	32-35	Weathered bedrock			0	0	0	0	0	0	---	NP
	35-45	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Rugar----------	0-2	Clay loam	CL	A-6, A-7	0	0	80-100	75-95	65-90	55-75	35-45	15-20
	2-20	Clay loam	CL	A-6, A-7	0	0	80-100	75-95	65-90	55-75	35-45	15-20
	20-43	Clay	CL, CH	A-7	0	0-5	80-100	75-95	65-90	55-70	45-60	25-35
	43-47	Weathered bedrock			0	0	0	0	0	0	---	NP
Tusel----------	0-17	Very gravelly loam	GM	A-2	0	0-15	50-60	40-50	35-45	25-35	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP
1744:												
Erakatak--------	0-4	Very gravelly clay loam	GC	A-2, A-6, A-7	0	0-5	35-60	25-50	20-45	15-40	35-45	15-20
	4-19	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	40-55	15-30
	19-32	Very cobbly clay	GC, CL, CH	A-7	0-5	25-55	60-75	50-65	45-60	40-55	45-65	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Graley----------	0-12	Very gravelly loam	GM	A-1, A-2	0	0-5	30-50	25-45	20-40	15-30	20-25	NP-5
	12-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP
Tusel----------	0-17	Very gravelly loam	GM	A-2	0	0-15	50-60	40-50	35-45	25-35	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP
1746:												
Booford---------	0-10	Silt loam	CL	A-6	0	0	90-100	85-100	55-95	50-95	25-35	10-15
	10-19	Silty clay loam, clay loam, clay	ML, MH	A-7	0	0	80-95	75-90	65-90	60-85	45-60	15-25
	19-36	Silty clay, clay	MH	A-7	0	0	80-90	75-85	70-80	65-75	50-65	20-30
	36-46	Weathered bedrock			0	0	0	0	0	0	---	NP
Cotant----------	0-3	Gravelly clay loam	GC, CL	A-6, A-7	0	0	60-85	50-70	40-65	35-60	35-45	15-20
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Blitzen---------	0-10	Gravelly clay loam	GC, CL, SC	A-2, A-6, A-7	0	0-10	60-80	55-75	40-60	30-55	35-45	15-20
	10-33	Very gravelly clay, very gravelly clay loam	GC	A-2	0	0-10	35-55	30-50	25-40	20-35	45-65	20-35
	33-37	Weathered bedrock			0	0	0	0	0	0	---	NP
1800:												
Bregar----------	0-6	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	10-20	55-70	40-55	35-50	25-40	25-35	5-15
	6-11	Very gravelly sandy clay loam, extremely cobbly clay loam, very gravelly clay loam	GC	A-2	0	5-45	40-50	25-35	20-30	10-25	35-45	15-25
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP
Bregar----------	0-6	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	10-20	55-70	40-55	35-50	25-40	25-35	5-15
	6-11	Very gravelly sandy clay loam, extremely cobbly clay loam, very gravelly clay loam	GC	A-2	0	5-45	40-50	25-35	20-30	10-25	35-45	15-25
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Carstump--------	0-14	Very cobbly loam	GM, GM-GC	A-2, A-4	0	50-60	60-75	60-70	50-65	30-50	20-30	NP-10
	14-36	Very cobbly clay, very gravelly clay	SC, SM, GC, GM	A-2, A-7	0	30-65	45-90	35-80	35-60	30-50	45-60	15-30
	36-40	Unweathered bedrock			0	0	0	0	0	0	---	NP
1802:												
Bregar----------	0-2	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	10-20	55-70	40-55	35-50	25-40	25-35	5-15
	2-7	Very gravelly sandy clay loam, extremely cobbly clay loam, very gravelly clay loam	GC	A-2	0	5-45	40-50	25-35	20-30	10-25	35-45	15-25
	7-11	Unweathered bedrock			0	0	0	0	0	0	---	NP
Ninemile--------	0-4	Gravelly loam	GC, CL	A-6	0	0-5	60-85	55-75	50-70	35-60	30-35	10-15
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	50-65	25-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Pequop----------	0-12	Gravelly loam	GM-GC, CL-ML	A-4	0	5-10	60-80	55-75	40-70	35-55	20-30	5-10
	12-50	Very gravelly sandy clay loam, extremely gravelly sandy clay loam, very gravelly clay loam	GC	A-2	0	10-30	30-55	25-50	10-40	10-35	30-40	10-20
	50-60	Very gravelly loam, extremely gravelly loam	GC	A-2	0	15-40	15-55	15-50	10-40	10-35	25-35	10-15
1803: Rock Outcrop.												
Bregar----------	0-2	Very gravelly sandy loam	GM	A-1	0	0-5	45-60	35-50	20-40	10-20	20-25	NP-5
	2-7	Very gravelly sandy clay loam, extremely cobbly clay loam, very gravelly clay loam	GC	A-2	0	5-45	40-50	25-35	20-30	10-25	35-45	15-25
	7-11	Unweathered bedrock			0	0	0	0	0	0	---	NP
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1805:												
Bregar----------	0-2	Extremely cobbly loam	GC, GM-GC	A-2	0	50-60	50-65	35-45	30-40	25-35	25-35	5-15
	2-11	Very gravelly clay loam, extremely gravelly loam, extremely cobbly sandy clay loam	GC	A-2	0-20	0-40	25-60	20-50	15-45	15-35	35-45	15-25
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP
Deseed----------	0-4	Gravelly loam	CL-ML, CL	A-4, A-6	0	5-15	70-85	65-80	55-70	50-60	25-35	5-15
	4-26	Gravelly clay loam, gravelly clay	GC, CL	A-7	0	0-10	60-80	55-75	50-70	45-70	40-50	20-30
	26-30	Unweathered bedrock			0	0	0	0	0	0	---	NP
Linkup----------	0-3	Very cobbly loam	GM-GC	A-2, A-4	0-5	30-45	50-75	45-70	35-60	25-50	20-30	5-10
	3-5	Cobbly clay loam, very cobbly clay loam, cobbly clay	CL	A-6, A-7	0	25-45	80-100	75-90	70-80	55-70	35-50	15-25
	5-17	Clay, cobbly clay	CH	A-7	0	0-40	90-100	85-100	75-90	70-80	50-60	25-35
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1810:												
Shively---------	0-9	Loam	ML	A-4	0	0-2	90-100	80-95	65-85	50-60	20-25	NP-5
	9-21	Fine sandy loam, loam	ML	A-4	0	0-5	80-100	75-100	65-85	50-60	20-25	NP-5
	21-41	Fine sandy loam, sandy loam, sandy clay loam	SC-SM, CL-ML, SM, ML	A-4	0	0-5	80-100	75-100	60-70	45-60	20-30	NP-10
	41-60	Weathered bedrock			0	0	0	0	0	0	---	NP
Ninemile--------	0-4	Very cobbly loam	CL-ML	A-4	1-5	30-65	70-90	70-85	60-75	50-60	25-30	5-10
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	55-65	30-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Hackwood--------	0-26	Silt loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-100	70-90	60-80	20-35	5-15
	26-34	Gravelly loam, gravelly silt loam	GM-GC, SC-SM, CL-ML, CL	A-4, A-6	0	0	60-80	50-75	40-70	35-65	25-35	5-15
	34-60	Very gravelly clay loam, very gravelly silty clay loam, very gravelly loam	GC	A-2, A-6	0	0	40-60	35-50	30-45	25-40	35-40	15-20
1830:												
Vanwyper--------	0-10	Gravelly loam	GC, SC	A-6	0	0-5	55-75	50-70	45-65	35-50	25-35	10-15
	10-25	Very cobbly clay, very cobbly clay loam	GC, CL, CH	A-7	0-10	25-55	55-75	50-65	45-60	40-55	40-60	20-40
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Alyan----------	0-9	Gravelly loam	GM-GC, CL-ML, GC, CL	A-2, A-4, A-6	0	0-5	55-80	50-75	35-60	25-55	25-35	5-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	25-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP
Vanwyper--------	0-10	Gravelly loam	GC, SC	A-6	0	0-5	55-75	50-70	45-65	35-50	25-35	10-15
	10-25	Very cobbly clay, very cobbly clay loam	GC, CL, CH	A-7	0-10	25-55	55-75	50-65	45-60	40-55	40-60	20-40
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP
1831:												
Vanwyper--------	0-10	Cobbly loam	CL	A-6	0	15-25	85-90	80-90	60-85	55-75	25-35	10-15
	10-25	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-10	30-55	55-75	50-65	45-60	40-55	40-60	20-40
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP
Trunk----------	0-5	Gravelly loam	GM-GC, SC-SM, GM, SM	A-4	0	0-5	55-80	50-75	45-70	35-50	20-30	NP-10
	5-23	Gravelly clay, gravelly clay loam	CL, CH, GC	A-7	0	0-10	55-85	50-80	45-75	40-65	40-55	20-30
	23-27	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Vanwyper--------	0-10	Cobbly loam	CL	A-6	0	15-25	85-90	80-90	60-85	55-75	25-35	10-15
	10-25	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-10	30-55	55-75	50-65	45-60	40-55	40-60	20-40
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP
1832:												
Vanwyper--------	0-10	Very cobbly loam	SC	A-2, A-6	0-5	30-45	70-80	55-65	40-55	30-40	25-35	10-15
	10-25	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-10	30-55	55-75	50-65	45-60	40-55	40-60	20-40
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP
Trunk-----------	0-5	Cobbly clay loam	CL	A-6, A-7	0	15-30	75-95	70-90	65-85	55-70	35-45	15-20
	5-23	Gravelly clay, gravelly clay loam	CL, CH, GC	A-7	0	0-10	55-85	50-80	45-75	40-65	40-55	20-30
	23-27	Unweathered bedrock			0	0	0	0	0	0	---	NP
Trunk-----------	0-5	Cobbly clay loam	CL	A-6, A-7	0	15-30	75-95	70-90	65-85	55-70	35-45	15-20
	5-23	Gravelly clay, gravelly clay loam	CL, CH, GC	A-7	0	0-10	55-85	50-80	45-75	40-65	40-55	20-30
	23-27	Unweathered bedrock			0	0	0	0	0	0	---	NP
1833:												
Rock Outcrop.												

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Vanwyper--------	0-10	Very cobbly loam	SC	A-2, A-6	0-5	30-45	70-80	55-65	40-55	30-40	25-35	10-15
	10-25	Very cobbly clay loam, very cobbly clay	GC, CL, CH	A-7	0-10	30-55	55-75	50-65	45-60	40-55	40-60	20-40
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP
Trunk-----------	0-5	Cobbly loam	CL-ML, ML	A-4	0	15-30	75-95	70-90	60-90	50-70	20-30	NP-10
	5-23	Gravelly clay, gravelly clay loam	CL, CH, GC	A-7	0	0-10	55-85	50-80	45-75	40-65	40-55	20-30
	23-27	Unweathered bedrock			0	0	0	0	0	0	---	NP
1852:												
Gumble----------	0-4	Fine sandy loam	SC-SM	A-2	0	0	85-95	75-85	65-75	25-30	25-30	5-10
	4-18	Clay	CH	A-7	0	0	85-100	75-90	70-85	60-70	50-65	25-40
	18-22	Weathered bedrock			0	0	0	0	0	0	---	NP
Tuffo-----------	0-6	Fine sandy loam	SM	A-2, A-4	0	0	80-95	75-90	60-80	30-45	15-20	NP-5
	6-13	Very fine sandy loam, gravelly sandy loam, fine sandy loam	SM	A-2, A-4	0	0	65-95	60-90	55-80	30-50	15-20	NP-5
	13-17	Weathered bedrock			0	0	0	0	0	0	---	NP
Hunnton---------	0-3	Silt loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1853:												
Rock Outcrop.												
Gumble----------	0-4	Very gravelly sandy loam	GM-GC	A-1, A-2	0	5-15	50-60	40-50	25-35	15-25	25-30	5-10
	4-18	Clay, gravelly clay	CH, GC	A-7	0	0-15	65-100	60-90	55-85	45-70	50-65	25-40
	18-28	Weathered bedrock			0	0	0	0	0	0	---	NP
Tuffo----------	0-6	Gravelly sandy loam	SM	A-1, A-2	0	0	65-80	60-75	35-50	20-30	15-20	NP-5
	6-13	Very fine sandy loam, gravelly sandy loam, fine sandy loam	SM	A-2, A-4	0	0	65-95	60-90	55-80	30-50	15-20	NP-5
	13-17	Weathered bedrock			0	0	0	0	0	0	---	NP
1854:												
Gumble----------	0-4	Very gravelly sandy loam	GM-GC	A-1, A-2	0	5-15	50-60	40-50	25-35	15-25	25-30	5-10
	4-18	Clay, gravelly clay	CH, GC	A-7	0	0-15	65-100	60-90	55-85	45-70	50-65	25-40
	18-28	Weathered bedrock			0	0	0	0	0	0	---	NP
Chen----------	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1855:												
Gumble----------	0-4	Gravelly sandy loam	SC-SM	A-1, A-2	0	0-10	60-70	50-60	30-40	15-25	25-30	5-10
	4-18	Clay, gravelly clay	CH, GC	A-7	0	0-15	65-100	60-90	55-85	45-70	50-65	25-40
	18-28	Weathered bedrock			0	0	0	0	0	0	---	NP
Puett Variant---	0-2	Gravelly loam	GM, ML	A-4	0	0-10	65-80	60-75	60-70	45-55	20-25	NP-5
	2-17	Gravelly loam	GM, ML	A-4	0	0-10	60-80	55-75	50-70	45-55	20-25	NP-5
	17-27	Unweathered bedrock			0	0	0	0	0	0	---	NP
Xeric Torriorthents--	0-3	Gravelly fine sandy loam	SM, GM	A-2, A-4, A-1	0	0-10	40-80	35-75	20-50	10-40	15-20	NP-5
	3-7	Weathered bedrock			0	0	0	0	0	0	---	NP
1870:												
Chen------------	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Graley----------	0-12	Very gravelly loam	GM	A-1, A-2	0	0-5	30-50	25-45	20-40	15-30	20-25	NP-5
	12-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Quarz----------	0-6	Very gravelly loam	GC	A-2	0	0-15	40-55	35-50	30-45	20-35	25-35	10-15
	6-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	30-55	25-50	20-45	15-40	45-60	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
1871:												
Chen----------	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Cotant----------	0-3	Very gravelly loam	GC	A-2	0	0-5	50-60	35-50	30-45	25-35	30-35	10-15
	3-20	Clay	CH, CL	A-7	0	0	90-100	75-100	60-100	50-95	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP
Graley----------	0-12	Very gravelly loam	GM	A-1, A-2	0	0-5	30-50	25-45	20-40	15-30	20-25	NP-5
	12-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1872:												
Chen	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Sumine	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
Tusel	0-17	Very gravelly loam	GM	A-2	0	0-15	50-60	40-50	35-45	25-35	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1874:												
Chen	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Quarz	0-6	Gravelly clay loam	GC, CL	A-6, A-7	0	0-10	55-80	50-75	45-70	35-55	35-45	15-20
	6-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	30-55	25-50	20-45	15-40	45-60	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
Arcia	0-15	Silt loam	CL-ML, CL	A-4, A-6	0	0	90-100	85-100	75-90	55-85	25-35	5-15
	15-21	Clay loam, gravelly clay loam	CL	A-6, A-7	0	0-10	65-100	60-100	55-90	50-80	35-45	15-25
	21-39	Cobbly clay, gravelly clay, clay	GC, CL, CH	A-7	0	0-25	60-95	55-90	45-85	40-75	45-65	30-45
	39-43	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1875:												
Chen	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Bregar	0-6	Extremely gravelly loam	GM-GC, GC	A-2	0	10-20	35-50	20-30	15-25	10-20	25-35	5-15
	6-11	Very gravelly sandy clay loam, extremely cobbly clay loam, very gravelly clay loam	GC	A-2	0	5-45	40-50	25-35	20-30	10-25	35-45	15-25
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP
Ramires	0-5	Clay loam	CL	A-6	0	0-10	90-100	75-90	70-90	65-80	35-40	15-20
	5-40	Gravelly clay, gravelly clay loam, clay	CL, CH	A-7	0	0-10	75-95	65-85	60-80	50-65	45-55	25-35
	40-44	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1876:												
Chen	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Chen	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Arcia	0-15	Silt loam	CL-ML, CL	A-4, A-6	0	0	90-100	85-100	75-90	55-85	25-35	5-15
	15-21	Clay loam, gravelly clay loam	CL	A-6, A-7	0	0-10	65-100	60-100	55-90	50-80	35-45	15-25
	21-39	Cobbly clay, gravelly clay, clay	GC, CL, CH	A-7	0	0-25	60-95	55-90	45-85	40-75	45-65	30-45
	39-43	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1877:												
Chen----------	0-7	Very cobbly loam	GC, GM-GC	A-2, A-4, A-6	0-10	45-55	55-65	50-60	45-55	30-40	25-35	5-15
	7-15	Very gravelly clay, very cobbly clay, extremely cobbly clay	GC	A-2	0-15	5-50	45-55	30-50	25-40	25-35	55-65	35-40
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Bregar----------	0-2	Very gravelly sandy loam	GM	A-1	0	0-5	45-60	35-50	20-40	10-20	20-25	NP-5
	2-7	Very gravelly sandy clay loam, extremely cobbly clay loam, very gravelly clay loam	GC	A-2	0	5-45	40-50	25-35	20-30	10-25	35-45	15-25
	7-11	Unweathered bedrock			0	0	0	0	0	0	---	NP
Loncan----------	0-17	Very gravelly loam	GC	A-2	0	10-15	40-60	30-45	25-40	20-35	30-35	10-15
	17-30	Very gravelly loam, extremely cobbly loam, very gravelly sandy clay loam	GC	A-2	0-5	5-55	35-60	30-50	25-40	20-35	30-35	10-15
	30-34	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1880:												
Chen	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Blitzen	0-9	Very gravelly loam	GC	A-2	0	0-10	35-55	30-50	25-40	20-30	30-35	10-15
	9-33	Very gravelly clay, very gravelly clay loam	GC	A-2	0	0-10	35-55	30-50	25-40	20-35	45-65	20-35
	33-43	Weathered bedrock			0	0	0	0	0	0	---	NP
Pequop	0-12	Gravelly loam	GM-GC, CL-ML	A-4	0	5-10	60-80	55-75	40-70	35-55	20-30	5-10
	12-50	Very gravelly sandy clay loam, extremely gravelly sandy clay loam, very gravelly clay loam	GC	A-2	0	10-30	30-55	25-50	10-40	10-35	30-40	10-20
	50-60	Very gravelly loam, extremely gravelly loam	GC	A-2	0	15-40	15-55	15-50	10-40	10-35	25-35	10-15

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1881:												
Chen	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Blitzen	0-10	Gravelly clay loam	GC, CL, SC	A-2, A-6, A-7	0	0-10	60-80	55-75	40-60	30-55	35-45	15-20
	10-33	Very gravelly clay, very gravelly clay loam	GC	A-2	0	0-10	35-55	30-50	25-40	20-35	45-65	20-35
	33-37	Weathered bedrock			0	0	0	0	0	0	---	NP
Loncan	0-17	Very gravelly loam	GC	A-2	0	10-15	40-60	30-45	25-40	20-35	30-35	10-15
	17-30	Very gravelly loam, extremely cobbly loam, very gravelly sandy clay loam	GC	A-2	0-5	5-55	35-60	30-50	25-40	20-35	30-35	10-15
	30-34	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1888:												
Chen	0-7	Cobbly loam	SC-SM, SM	A-4	0	20-25	80-90	60-80	55-70	40-50	25-35	5-10
	7-15	Very gravelly clay, very cobbly clay, extremely gravelly clay	GC	A-2	0	5-45	45-55	30-50	25-40	25-35	45-60	20-30
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Pie Creek	0-5	Very cobbly loam	ML	A-4	0	40-50	85-95	60-90	55-80	50-60	25-30	NP-5
	5-16	Clay	CH	A-7	0	0	95-100	90-100	85-95	80-90	65-70	35-40
	16-23	Clay loam, clay	CL	A-7	0	0	95-100	90-100	80-90	70-80	45-50	20-25
	23-27	Unweathered bedrock			0	0	0	0	0	0	---	NP
Alyan	0-9	Gravelly loam	GM-GC, CL-ML, GC, CL	A-2, A-4, A-6	0	0-5	55-80	50-75	35-60	25-55	25-35	5-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	25-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP
1889:												
Chen	0-7	Very gravelly loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-35	30-35	10-15
	7-15	Very gravelly clay, extremely gravelly clay, very cobbly clay	GC	A-2, A-7	0-5	0-45	35-50	25-45	25-45	20-40	50-60	25-35
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Sumine----------	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
1910:												
Mahala----------	0-5	Silt loam	CL-ML, ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	5-10
	5-14	Clay, gravelly clay	CH	A-7	0	0	80-100	70-100	70-100	60-90	50-65	25-35
	14-26	Clay, clay loam	CL, CH	A-7	0	0	80-100	75-100	70-95	60-90	40-65	20-35
	26-30	Weathered bedrock			0	0	0	0	0	0	---	NP
Ramires----------	0-5	Clay loam	CL	A-6	0	0-10	90-100	75-90	70-90	65-80	35-40	15-20
	5-40	Gravelly clay, gravelly clay loam, clay	CL, CH	A-7	0	0-10	75-95	65-85	60-80	50-65	45-55	25-35
	40-44	Unweathered bedrock			0	0	0	0	0	0	---	NP
1920:												
Lerrow----------	0-9	Cobbly loam	SC, CL	A-6	0	30-40	80-95	75-90	65-75	45-55	30-35	10-15
	9-14	Clay loam, gravelly clay loam	CL, GC	A-7	0	0	55-90	50-85	45-80	35-65	40-50	20-25
	14-27	Cobbly clay, gravelly clay, clay	CH	A-7	0-5	10-25	75-95	65-85	60-75	55-70	50-60	25-35
	27-31	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Chen	0-7	Very cobbly loam	GC, GM-GC	A-2, A-4, A-6	0-10	45-55	55-65	50-60	45-55	30-40	25-35	5-15
	7-15	Very gravelly clay, very cobbly clay, extremely cobbly clay	GC	A-2	0-15	5-50	45-55	30-50	25-40	25-35	55-65	35-40
	15-19	Unweathered bedrock			0	0	0	0	0	0	---	NP
Cotant	0-3	Cobbly loam	CL	A-6	0	15-30	80-90	70-80	60-70	50-60	25-35	10-15
	3-20	Clay	CL, CH	A-7	0	0-5	90-100	75-100	60-95	50-85	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP
1921:												
Lerrow	0-9	Gravelly loam	SC	A-6	0	0-10	70-80	60-75	55-65	40-50	30-35	10-15
	9-14	Clay loam, gravelly clay loam	CL, GC	A-7	0	0	55-90	50-85	45-80	35-65	40-50	20-25
	14-27	Cobbly clay, gravelly clay, clay	CH	A-7	0-5	10-25	75-95	65-85	60-75	55-70	50-60	25-35
	27-31	Weathered bedrock			0	0	0	0	0	0	---	NP
Quarz	0-6	Very gravelly loam	GC	A-2	0	0-15	40-55	35-50	30-45	20-35	25-35	10-15
	6-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	30-55	25-50	20-45	15-40	45-60	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Rugar----------	0-2	Loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-95	60-85	50-70	25-35	5-15
	2-20	Clay loam	CL	A-6, A-7	0	0	80-100	75-95	65-90	55-75	35-45	15-20
	20-43	Clay	CL, CH	A-7	0	0-5	80-100	75-95	65-90	55-70	45-60	25-35
	43-47	Weathered bedrock			0	0	0	0	0	0	---	NP
1931:												
Tweener---------	0-5	Very cobbly sandy loam	GM-GC, SC-SM	A-2	10-25	30-35	55-85	50-80	30-55	15-30	25-30	5-10
	5-8	Very cobbly clay loam, very cobbly loam	GC, SC	A-2, A-6, A-7	10-25	35-40	60-80	55-75	40-70	30-50	30-45	10-20
	8-18	Unweathered bedrock			0	0	0	0	0	0	---	NP
Cleavage--------	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
Reluctan--------	0-9	Cobbly loam	SC-SM, CL-ML	A-4	0-5	10-30	80-90	70-90	60-85	40-70	20-30	5-10
	9-27	Gravelly loam, gravelly clay loam	GC, CL	A-6, A-7	0-5	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-37	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1932:												
Tweener	0-5	Very gravelly sandy loam	GM-GC	A-2	0	5-15	35-55	30-50	15-35	10-20	25-30	5-10
	5-8	Very cobbly clay loam, very cobbly loam	GC, SC	A-2, A-6, A-7	0-5	45-60	60-80	55-75	40-70	30-50	30-45	10-20
	8-12	Unweathered bedrock			0	0	0	0	0	0	---	NP
Sumine	0-10	Very gravelly loam	GM-GC	A-2, A-4	0	10-15	50-65	45-60	40-50	30-40	20-30	5-10
	10-29	Very gravelly clay loam, very cobbly clay loam, very gravelly loam	GC	A-2, A-6, A-7	0-5	15-40	45-70	35-65	30-50	25-45	35-45	15-25
	29-33	Unweathered bedrock			0	0	0	0	0	0	---	NP
Cleavage	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1933:												
Tweener---------	0-5	Very cobbly sandy loam	GM-GC, SC-SM	A-2	10-25	30-35	55-85	50-80	30-55	15-30	25-30	5-10
	5-8	Very cobbly clay loam, very cobbly loam	GC, SC	A-2, A-6, A-7	10-25	35-40	60-80	55-75	40-70	30-50	30-45	10-20
	8-18	Unweathered bedrock			0	0	0	0	0	0	---	NP
Pequop----------	0-12	Gravelly loam	GM-GC, CL-ML	A-4	0	5-10	60-80	55-75	40-70	35-55	20-30	5-10
	12-50	Very gravelly sandy clay loam, extremely gravelly sandy clay loam, very gravelly clay loam	GC	A-2	0	10-30	30-55	25-50	10-40	10-35	30-40	10-20
	50-60	Very gravelly loam, extremely gravelly loam	GC	A-2	0	15-40	15-55	15-50	10-40	10-35	25-35	10-15
Cleavage--------	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1950:												
McIvey----------	0-16	Gravelly silt loam	GC, SC, CL	A-6	0	0-10	60-85	50-75	50-70	40-60	30-40	10-15
	16-29	Very gravelly clay loam, gravelly clay loam	GC, SC, CL	A-7	0	0-10	55-85	45-75	40-70	35-55	40-45	15-20
	29-65	Very gravelly clay, very cobbly clay, extremely cobbly clay	GC	A-2, A-7	0	0-55	45-60	35-50	35-45	30-45	45-55	20-30
McIvey----------	0-16	Very cobbly silt loam	GC	A-6	0	25-50	50-70	45-65	40-60	35-50	30-40	10-15
	16-29	Very gravelly clay loam, gravelly clay loam	GC, SC, CL	A-7	0	0-10	55-85	45-75	40-70	35-60	40-45	20-25
	29-65	Very gravelly clay, very cobbly clay, extremely cobbly clay	GC	A-7, A-2	0-25	10-55	45-60	35-50	35-45	30-45	45-55	30-35
Tusel----------	0-17	Very gravelly loam	GM	A-2	0	0-15	50-60	40-50	35-45	25-35	25-35	NP-10
	17-58	Extremely gravelly sandy clay loam, extremely gravelly clay loam, very gravelly clay loam	GC	A-2	0	15-45	30-50	25-40	20-35	15-30	30-40	10-20
	58-62	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
1980:												
Thwoop	0-4	Gravelly silt loam	GM-GC, CL-ML	A-4	0	0-10	70-95	55-75	40-65	40-65	25-30	5-10
	4-10	Silt loam	CL	A-6	0	0-10	90-95	85-90	50-75	50-75	30-35	10-15
	10-25	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	10-25	45-60	40-55	30-45	30-45	40-55	20-30
	25-27	Indurated			0	0	0	0	0	0	---	NP
	27-37	Unweathered bedrock			0	0	0	0	0	0	---	NP
Trunk	0-5	Gravelly loam	GM-GC, SC-SM, GM, SM	A-4	0	0-5	55-80	50-75	45-70	35-50	20-30	NP-10
	5-23	Gravelly clay, gravelly clay loam	CL, CH, GC	A-7	0	0-10	55-85	50-80	45-75	40-65	40-55	20-30
	23-27	Unweathered bedrock			0	0	0	0	0	0	---	NP
Pequop	0-12	Gravelly loam	GM-GC, CL-ML	A-4	0	5-10	60-80	55-75	40-70	35-55	20-30	5-10
	12-50	Very gravelly sandy clay loam, extremely gravelly sandy clay loam, very gravelly clay loam	GC	A-2	0	10-30	30-55	25-50	10-40	10-35	30-40	10-20
	50-60	Very gravelly loam, extremely gravelly loam	GC	A-2	0	15-40	15-55	15-50	10-40	10-35	25-35	10-15

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2000:												
Alyan	0-9	Cobbly loam	SC, CL	A-6	0-1	15-30	80-100	70-90	60-85	40-70	25-35	10-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CH, CL	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-7, A-2	0	0-5	40-55	40-50	35-45	20-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP
Cotant	0-3	Cobbly loam	CL	A-6	0	15-30	80-90	70-80	60-70	50-60	25-35	10-15
	3-20	Clay	CL, CH	A-7	0	0-5	90-100	75-100	60-95	50-85	45-65	25-40
	20-24	Weathered bedrock			0	0	0	0	0	0	---	NP
Akler	0-4	Loam	CL, SC	A-6	0	0-10	80-90	75-85	65-80	45-65	30-35	10-15
	4-18	Clay	CH	A-7	0	0	80-100	75-100	65-90	50-70	55-70	30-45
	18-22	Weathered bedrock			0	0	0	0	0	0	---	NP
2001:												
Alyan	0-9	Gravelly loam	GM-GC, CL-ML, GC, CL	A-2, A-4, A-6	0	0-5	55-80	50-75	35-60	25-55	25-35	5-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	25-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Bregar----------	0-6	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	10-20	55-70	40-55	35-50	25-40	25-35	5-15
	6-11	Very gravelly sandy clay loam, extremely cobbly clay loam, very gravelly clay loam	GC	A-2	0	5-45	40-50	25-35	20-30	10-25	35-45	15-25
	11-15	Unweathered bedrock			0	0	0	0	0	0	---	NP
Alyan----------	0-9	Gravelly loam	GM-GC, CL-ML, GC, CL	A-2, A-4, A-6	0	0-5	55-80	50-75	35-60	25-55	25-35	5-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	25-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP
2002:												
Alyan----------	0-9	Gravelly clay loam	GC, CL	A-2, A-7, A-6	0	0-5	55-80	50-75	40-65	30-60	35-45	15-20
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	25-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Alyan----------	0-9	Gravelly clay loam	GC, CL	A-2, A-7, A-6	0	0-5	55-80	50-75	40-65	30-60	35-45	15-20
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	25-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP
Quarz----------	0-6	Very gravelly loam	GC	A-2	0	0-15	40-55	35-50	30-45	20-35	25-35	10-15
	6-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	30-55	25-50	20-45	15-40	45-60	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
2003:												
Alyan----------	0-9	Very gravelly loam	GC	A-2	0	0-5	30-55	25-50	20-40	15-35	25-35	10-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	20-40	45-60	20-35
	32-42	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Deepeek---------	0-5	Very cobbly loam	GM-GC	A-2, A-4	0-5	30-40	55-70	50-65	40-55	30-45	25-30	5-10
	5-18	Very cobbly loam, very cobbly silt loam, very cobbly silty clay loam	GC	A-6	0-5	30-40	55-70	50-65	45-55	40-50	30-40	10-20
	18-24	Indurated			0	0	0	0	0	0	---	NP
	24-42	Gravelly silt loam	GM-GC, CL-ML, GM, ML	A-4	0	0	55-80	50-75	45-70	45-60	20-30	NP-10
Susie Creek-----	0-10	Very fine sandy loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-95	50-65	20-30	NP-10
	10-30	Clay loam, clay	CL, CH	A-7	0	0-10	90-100	85-100	70-100	70-95	40-60	20-30
	30-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0	0-10	90-100	85-100	65-85	50-70	25-35	5-15
2004:												
Alyan-----------	0-9	Cobbly loam	SC, CL	A-6	0-1	15-30	80-100	70-90	60-85	40-70	25-35	10-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CH, CL	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-7, A-2	0	0-5	40-55	40-50	35-45	20-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP
Ninemile--------	0-4	Gravelly loam	GC, CL	A-6	0	0-5	60-85	55-75	50-70	35-60	30-35	10-15
	4-19	Clay, gravelly clay	CH	A-7	0	0-15	70-100	65-100	60-90	50-80	50-65	25-35
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Alyan----------	0-9	Gravelly loam	GM-GC, CL-ML, GC, CL	A-2, A-4, A-6	0	0-5	55-80	50-75	35-60	25-55	25-35	5-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	25-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP
2005: Rock Outcrop.												
Alyan----------	0-9	Gravelly loam	GM-GC, CL-ML, GC, CL	A-2, A-4, A-6	0	0-5	55-80	50-75	35-60	25-55	25-35	5-15
	9-16	Clay	CL, CH	A-7	0	0-5	80-90	75-85	65-80	50-65	45-60	20-35
	16-28	Gravelly clay	GC, CL, CH	A-7	0	0-5	55-80	50-75	40-65	35-55	45-60	20-35
	28-32	Very gravelly clay	GC	A-2, A-7	0	0-5	45-55	40-50	35-45	25-40	45-60	20-35
	32-36	Unweathered bedrock			0	0	0	0	0	0	---	NP
Graley----------	0-12	Very stony loam	GM	A-1, A-2	5-10	0-5	40-50	30-40	25-35	20-30	20-25	NP-5
	12-17	Very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0-25	0-25	40-55	35-50	30-50	25-40	45-55	20-30
	17-21	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2171:												
Deseed----------	0-4	Gravelly loam	CL-ML, CL	A-4, A-6	0	5-15	70-85	65-80	55-70	50-60	25-35	5-15
	4-26	Gravelly clay loam, gravelly clay	GC, CL	A-7	0	0-10	60-80	55-75	50-70	45-70	40-50	20-30
	26-30	Unweathered bedrock			0	0	0	0	0	0	---	NP
Reluctan--------	0-9	Gravelly loam	SC-SM, CL-ML	A-4	0	5-10	70-80	60-75	50-65	40-55	25-30	5-10
	9-27	Gravelly clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-15	65-85	60-75	55-75	40-60	35-45	15-20
	27-31	Unweathered bedrock			0	0	0	0	0	0	---	NP
Cleavage--------	0-4	Very gravelly loam	GM-GC, GC	A-2, A-4, A-6	0	0-10	50-70	30-50	25-45	20-40	25-35	5-15
	4-18	Very cobbly clay loam, extremely gravelly clay loam, very gravelly loam	GC	A-2	0-5	0-45	40-55	30-45	25-45	20-35	30-45	10-20
	18-22	Unweathered bedrock			0	0	0	0	0	0	---	NP
2173:												
Deseed----------	0-4	Gravelly loam	CL-ML, CL	A-4, A-6	0	5-15	70-85	65-80	55-70	50-60	25-35	5-15
	4-26	Gravelly clay loam, gravelly clay	GC, CL	A-7	0	0-10	60-80	55-75	50-70	45-70	40-50	20-30
	26-30	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Quarz-----------	0-6	Very cobbly loam	GC, CL, SC	A-6	0-10	25-50	60-85	55-80	50-70	35-60	25-35	10-20
	6-15	Very cobbly clay loam, very gravelly clay loam	GC	A-6, A-7, A-2	0-10	10-40	35-60	30-55	25-50	20-40	35-45	15-25
	15-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0-5	5-25	30-55	25-50	20-45	15-40	45-55	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
2205:												
Coltroop--------	0-5	Very fine sandy loam	SC-SM	A-4	0	0	90-100	75-100	70-90	40-50	25-30	5-10
	5-17	Silt loam, silty clay loam	CL	A-6	0	0	85-100	75-100	65-95	60-85	30-40	10-15
	17-32	Indurated			0	0	0	0	0	0	---	NP
	32-42	Unweathered bedrock			0	0	0	0	0	0	---	NP
Snowmore--------	0-4	Very fine sandy loam	CL-ML	A-4	0	0-10	90-100	85-100	70-85	50-65	25-30	5-10
	4-13	Loam, clay loam, sandy clay loam	CL	A-6	0	0-10	90-100	85-100	70-90	50-75	30-40	10-15
	13-22	Loam, clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-10	70-100	60-100	50-80	40-75	35-45	15-25
	22-29	Indurated			0	0	0	0	0	0	---	NP
	29-39	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2206:												
Coltroop--------	0-5	Cobbly very fine sandy loam	CL-ML	A-4	0	15-25	90-100	85-95	75-85	55-65	20-25	5-10
	5-17	Silt loam, silty clay loam	CL	A-6	0	0	85-100	75-100	65-95	60-85	30-40	10-15
	17-32	Indurated			0	0	0	0	0	0	---	NP
	32-42	Unweathered bedrock			0	0	0	0	0	0	---	NP
Vanwyper--------	0-10	Very stony loam	CL	A-6	5-25	0-15	70-95	65-85	60-80	50-65	25-35	10-15
	10-25	Very cobbly clay, very cobbly clay loam	GC, CL, CH	A-7	0-15	30-55	55-75	50-65	45-60	40-55	40-60	20-40
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP
2310:												
Bulake----------	0-7	Gravelly loam	GC, CL	A-6	0	0-10	60-80	55-75	50-75	40-60	25-35	10-15
	7-19	Clay, gravelly clay	CH	A-7	0	0-10	60-95	55-90	55-85	50-80	50-60	30-40
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Deunah----------	0-9	Loam	CL-ML, CL	A-4, A-6	0	0-10	95-100	95-100	80-100	70-90	20-35	5-15
	9-26	Clay	CH	A-7	0	0-10	95-100	95-100	90-100	85-95	60-80	30-45
	26-33	Indurated			0	0	0	0	0	0	---	NP
Bulake----------	0-7	Very cobbly very fine sandy loam	SC-SM	A-4	0	30-40	70-85	65-80	55-75	40-50	25-30	5-10
	7-19	Clay, gravelly clay	CH	A-7	0	0-10	60-95	55-90	55-85	50-80	50-60	30-40
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2311:												
Bulake	0-7	Very cobbly very fine sandy loam	SC-SM	A-4	0	30-40	70-85	65-80	55-75	40-50	25-30	5-10
	7-19	Clay, gravelly clay	CH	A-7	0	0-10	60-95	55-90	55-85	50-80	50-60	30-40
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
Hatpeak	0-10	Loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-100	65-80	55-70	25-35	5-15
	10-30	Silty clay loam, silty clay, clay	CL, CH	A-7	0	0-15	95-100	90-100	70-90	60-85	40-55	20-35
	30-60	Indurated			0	0	0	0	0	0	---	NP
Petan	0-6	Very stony loam	CL	A-6	5-25	10-30	70-90	65-85	60-70	50-60	25-35	10-15
	6-19	Very cobbly clay, very stony clay	CH	A-7	20-45	15-40	65-85	60-80	55-75	50-70	50-65	25-40
	19-20	Indurated			0	0	0	0	0	0	---	NP
	20-30	Unweathered bedrock			0	0	0	0	0	0	---	NP
2505:												
Buffaran	0-5	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	20-25	5-10
	5-18	Silty clay loam, clay, clay loam	CL, CH	A-7	0	0	80-95	75-90	70-90	65-85	40-55	15-30
	18-25	Indurated			0	0	0	0	0	0	---	NP
	25-60	Cemented			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Zevadez	0-10	Very fine sandy loam	SC-SM, SM, CL-ML, ML	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
	10-19	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	19-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
2511:												
Bilbo	0-5	Extremely stony sandy loam	GM	A-1	15-20	25-30	40-50	35-45	20-40	10-20	---	NP
	5-40	Very gravelly sandy clay, very gravelly clay loam, very gravelly clay	GC	A-2, A-7	0-5	0-25	45-65	35-50	30-45	20-40	40-55	20-35
	40-60	Extremely gravelly loamy sand, very gravelly sandy loam	GP-GM, GM	A-1	0	0-10	30-60	15-50	10-40	5-20	15-25	NP-5
Alley	0-7	Very stony loam	SM	A-4	15-25	10-15	80-90	65-80	50-60	35-45	25-30	NP-5
	7-20	Gravelly clay loam, gravelly sandy clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-35	15-20
	20-40	Gravelly fine sandy loam, cobbly fine sandy loam, gravelly sandy loam	SM, GM	A-2, A-4	0-10	0-40	60-85	50-80	35-75	25-40	25-30	NP-5
	40-60	Very cobbly fine sandy loam	SM	A-2	0-15	30-45	70-75	60-70	45-55	25-35	25-30	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Deepeek---------	0-5	Very cobbly loam	GM-GC	A-2, A-4	0-5	30-40	55-70	50-65	40-55	30-45	25-30	5-10
	5-18	Very cobbly loam, very cobbly silt loam, very cobbly silty clay loam	GC	A-6	0-5	30-40	55-70	50-65	45-55	40-50	30-40	10-20
	18-24	Indurated			0	0	0	0	0	0	---	NP
	24-42	Gravelly silt loam	GM-GC, CL-ML, GM, ML	A-4	0	0	55-80	50-75	45-70	45-60	20-30	NP-10
2514:												
Bilbo-----------	0-5	Very gravelly very fine sandy loam	GM-GC	A-2	0	0-10	40-65	30-50	25-50	10-35	20-30	5-10
	5-40	Very gravelly sandy clay, very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	45-65	35-50	30-45	20-40	40-55	20-35
	40-60	Extremely gravelly loamy sand, very gravelly sandy loam	GP-GM, GM	A-1	0	0-10	30-60	15-50	10-40	5-20	15-25	NP-5
Susie Creek-----	0-10	Very fine sandy loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-95	50-65	20-30	NP-10
	10-30	Clay loam, clay	CL, CH	A-7	0	0-10	90-100	85-100	70-100	70-95	40-60	20-30
	30-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0	0-10	90-100	85-100	65-85	50-70	25-35	5-15

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Buffaran--------	0-5	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	20-25	5-10
	5-18	Silty clay loam, clay, clay loam	CL, CH	A-7	0	0	80-95	75-90	70-90	65-85	40-55	15-30
	18-25	Indurated			0	0	0	0	0	0	---	NP
	25-60	Cemented			0	0	0	0	0	0	---	NP
2521:												
Dewar----------	0-4	Very cobbly very fine sandy loam	SC-SM, CL-ML	A-4	0-5	40-50	70-95	65-80	55-75	40-55	25-30	5-10
	4-14	Cobbly silty clay loam	CL	A-6, A-7	0-10	25-30	85-95	80-90	75-90	65-85	35-45	15-20
	14-19	Very cobbly silt loam	GC	A-6	0-10	30-40	50-60	45-55	40-50	35-45	30-35	10-15
	19-32	Indurated			0	0	0	0	0	0	---	NP
	32-60	Gravelly sandy loam	GM, SM	A-1	0	0	55-65	50-60	30-40	15-25	20-25	NP-5
Chiara----------	0-6	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-21	Indurated			0	0	0	0	0	0	---	NP
Chiara----------	0-6	Very cobbly very fine sandy loam	SC-SM, GM-GC, GM, SM	A-4	0	30-45	60-85	55-80	50-75	35-50	20-30	NP-10
	6-17	Silt loam, loam	CL-ML, ML	A-4	0	0-10	95-100	90-100	80-90	70-80	20-30	NP-10
	17-21	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2522:												
Dewar	0-4	Very cobbly very fine sandy loam	SC-SM, CL-ML	A-4	0-5	40-50	70-95	65-80	55-75	40-55	25-30	5-10
	4-14	Cobbly silty clay loam	CL	A-6, A-7	0-10	25-30	85-95	80-90	75-90	65-85	35-45	15-20
	14-19	Very cobbly silt loam	GC	A-6	0-10	30-40	50-60	45-55	40-50	35-45	30-35	10-15
	19-32	Indurated			0	0	0	0	0	0	---	NP
	32-60	Gravelly sandy loam	GM, SM	A-1	0	0	55-65	50-60	30-40	15-25	20-25	NP-5
Sodhouse	0-6	Cobbly silt loam	ML	A-4	0	25-30	75-85	70-80	65-80	60-70	20-25	NP-5
	6-19	Very fine sandy loam, silt loam, loam	ML	A-4	0	0-5	85-100	80-100	60-90	50-60	20-25	NP-5
	19-25	Indurated			0	0	0	0	0	0	---	NP
	25-60	Gravelly sandy loam	SM	A-2, A-4	0	0-10	65-80	60-75	50-65	25-40	15-25	NP-5
2531:												
Rock Outcrop.												
Clurde Variant	0-13	Loam	CL	A-6	0	0	80-100	75-100	65-95	50-75	25-35	10-15
	13-19	Gravelly sandy clay loam	GC, SC	A-2, A-6	0	0	60-80	50-75	45-65	30-40	25-35	10-15
	19-32	Very gravelly sandy loam	GM	A-1	0	0	30-55	25-50	15-35	10-20	15-25	NP-5
	32-42	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Clurde----------	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP
2541:												
Kelk----------	0-13	Very fine sandy loam	CL-ML	A-4	0	0	100	100	90-95	65-75	25-30	5-10
	13-48	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	95-100	95-100	85-95	25-35	5-15
	48-60	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	90-100	80-95	25-35	5-15
2545:												
Kelk----------	0-13	Very fine sandy loam	CL-ML	A-4	0	0	100	100	95-100	65-75	25-30	5-10
	13-48	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	95-100	95-100	85-95	25-35	5-15
	48-60	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	85-100	75-95	25-35	5-15
Clurde----------	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2555:												
Piline	0-12	Silty clay loam	CL	A-7	0	0	100	100	95-100	90-95	45-50	25-30
	12-60	Clay loam, clay, silty clay	CL, CH	A-7	0	0	100	100	90-100	80-90	45-55	25-35
2560:												
McCleary	0-4	Silt loam	CL	A-6	0	0	80-100	75-100	70-100	65-90	30-35	10-15
	4-60	Clay, silty clay	CH	A-7	0	0	80-100	75-100	70-100	65-95	50-60	25-35
2561:												
McCleary	0-5	Cobbly silt loam	CL	A-6	0	15-30	80-95	75-90	70-90	65-80	30-35	10-15
	5-60	Clay	CH	A-7	0	0	80-100	75-100	70-100	55-80	50-60	25-35
2571:												
Chiara	0-6	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-21	Indurated			0	0	0	0	0	0	---	NP
Chiara	0-6	Cobbly silt loam	CL-ML, ML	A-4	0	15-30	85-95	80-90	70-90	55-80	20-30	NP-10
	6-17	Silt loam, loam	CL-ML, ML	A-4	0	0-10	95-100	90-100	80-90	70-80	20-30	NP-10
	17-21	Indurated			0	0	0	0	0	0	---	NP
Chiara	0-6	Very cobbly very fine sandy loam	SC-SM, GM-GC, GM, SM	A-4	0	30-45	60-85	55-80	50-75	35-50	20-30	NP-10
	6-17	Silt loam, loam	CL-ML, ML	A-4	0	0-10	95-100	90-100	80-90	70-80	20-30	NP-10
	17-21	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2572:												
Chiara----------	0-6	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-21	Indurated			0	0	0	0	0	0	---	NP
Chiara----------	0-4	Silt loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	4-14	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	14-18	Indurated			0	0	0	0	0	0	---	NP
2573:												
Chiara----------	0-6	Very cobbly very fine sandy loam	SC-SM, GM-GC, GM, SM	A-4	0	30-45	60-85	55-80	50-75	35-50	20-30	NP-10
	6-17	Silt loam, loam	CL-ML, ML	A-4	0	0-10	95-100	90-100	80-90	70-80	20-30	NP-10
	17-21	Indurated			0	0	0	0	0	0	---	NP
Chiara----------	0-6	Cobbly silt loam	CL-ML, ML	A-4	0	15-30	85-95	80-90	70-90	55-80	20-30	NP-10
	6-17	Silt loam, loam	CL-ML, ML	A-4	0	0-10	95-100	90-100	80-90	70-80	20-30	NP-10
	17-21	Indurated			0	0	0	0	0	0	---	NP
2575:												
Chiara----------	0-6	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-21	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Dacker----------	0-6	Very fine sandy loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	50-70	20-30	NP-10
	6-25	Silty clay loam, gravelly silty clay loam	CL	A-6	0	0-5	75-100	70-90	65-90	60-85	35-40	15-20
	25-32	Silt loam, silty clay loam, gravelly silt loam	CL, GC	A-6	0	0-5	55-100	50-90	45-90	40-85	35-40	15-20
	32-60	Indurated			0	0	0	0	0	0	---	NP
Shalake---------	0-8	Very fine sandy loam	SM, ML	A-4	0	0	80-100	75-100	65-90	40-55	20-30	NP-5
	8-25	Gravelly loam, gravelly silt loam	GM, SM	A-4	0	0	55-80	50-75	40-60	35-50	20-30	NP-5
	25-60	Indurated			0	0	0	0	0	0	---	NP
2577:												
Chiara----------	0-6	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-21	Indurated			0	0	0	0	0	0	---	NP
Orovada---------	0-5	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	80-95	60-75	20-30	NP-5
	5-29	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-100	60-80	40-60	20-30	NP-5
	29-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-100	60-85	35-55	20-30	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2600:												
Shalake	0-8	Very fine sandy loam	SM, ML	A-4	0	0	80-100	75-100	65-90	40-55	20-30	NP-5
	8-25	Gravelly loam, gravelly silt loam	GM, SM	A-4	0	0	55-80	50-75	40-60	35-50	20-30	NP-5
	25-60	Indurated			0	0	0	0	0	0	---	NP
Chiara	0-6	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-21	Indurated			0	0	0	0	0	0	---	NP
Shalake	0-8	Very fine sandy loam	SM, ML	A-4	0	0	80-100	75-100	65-90	40-55	20-30	NP-5
	8-25	Gravelly loam, gravelly silt loam	GM, SM	A-4	0	0	55-80	50-75	40-60	35-50	20-30	NP-5
	25-60	Indurated			0	0	0	0	0	0	---	NP
2611:												
Dacker	0-6	Silt loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	75-100	60-90	25-35	5-10
	6-25	Silty clay loam, gravelly silty clay loam	CL	A-6	0	0-5	75-100	70-90	65-90	60-85	35-40	15-20
	25-32	Silt loam, silty clay loam, gravelly silt loam	CL, GC	A-6	0	0-5	55-100	50-90	45-90	40-85	35-40	15-20
	32-60	Indurated			0	0	0	0	0	0	---	NP
Hunnton	0-3	Silt loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2612:												
Dacker	0-6	Very fine sandy loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	50-70	20-30	NP-10
	6-25	Silty clay loam, gravelly silty clay loam	CL	A-6	0	0-5	75-100	70-90	65-90	60-85	35-40	15-20
	25-32	Silt loam, silty clay loam, gravelly silt loam	CL, GC	A-6	0	0-5	55-100	50-90	45-90	40-85	35-40	15-20
	32-60	Indurated			0	0	0	0	0	0	---	NP
Zevadez	0-10	Very fine sandy loam	SC-SM, SM, CL-ML, ML	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
	10-19	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	19-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
2615:												
Dacker	0-6	Very fine sandy loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	70-90	50-70	20-30	NP-10
	6-25	Silty clay loam, gravelly silty clay loam	CL	A-6	0	0-5	75-100	70-90	65-90	60-85	35-40	15-20
	25-32	Silt loam, silty clay loam, gravelly silt loam	CL, GC	A-6	0	0-5	55-100	50-90	45-90	40-85	35-40	15-20
	32-60	Indurated			0	0	0	0	0	0	---	NP
Chiara	0-6	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-21	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2621:												
Gochea----------	0-9	Gravelly loam	GM-GC, SC-SM, GM, SM	A-2, A-4	0	0	55-80	50-75	30-55	25-50	20-30	NP-10
	9-25	Gravelly clay loam, gravelly sandy clay loam, clay loam	GC, SC, CL	A-6, A-7	0	0	60-95	50-90	45-85	35-65	30-45	10-20
	25-30	Sandy loam, gravelly loam	ML, SM, GM	A-4, A-2	0	0	60-95	55-90	35-75	25-55	20-25	NP-5
	30-60	Very gravelly sand, extremely gravelly sand	GP	A-1	0	0	25-50	15-35	10-20	0-5	---	NP
Susie Creek-----	0-10	Loam	CL	A-6	0	0	90-100	75-100	70-95	55-75	30-35	10-15
	10-30	Clay loam, clay	CL, CH	A-7	0	0-10	90-100	85-100	70-100	70-95	40-60	20-30
	30-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0	0-10	90-100	85-100	65-85	50-70	25-35	5-15
Carstump--------	0-14	Very cobbly loam	GM, GM-GC	A-2, A-4	0	50-60	60-75	60-70	50-65	30-50	20-30	NP-10
	14-36	Very cobbly clay, very gravelly clay	SC, SM, GC, GM	A-2, A-7	0	30-65	45-90	35-80	35-60	30-50	45-60	15-30
	36-40	Unweathered bedrock			0	0	0	0	0	0	---	NP
2641:												
Olac------------	0-4	Very stony loam	GC	A-2	5-25	5-20	40-60	35-55	25-40	20-30	25-30	10-15
	4-14	Extremely gravelly clay loam, extremely gravelly loam	GC	A-2	5-10	10-20	30-45	20-35	15-30	10-25	30-40	15-20
	14-18	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Snowmore	0-4	Very fine sandy loam	CL-ML	A-4	0	0-10	90-100	85-100	70-85	50-65	25-30	5-10
	4-13	Loam, clay loam, sandy clay loam	CL	A-6	0	0-10	90-100	85-100	70-90	50-75	30-40	10-15
	13-22	Loam, clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-10	70-100	60-100	50-80	40-75	35-45	15-25
	22-29	Indurated			0	0	0	0	0	0	---	NP
	29-39	Unweathered bedrock			0	0	0	0	0	0	---	NP
2650:												
Wieland	0-4	Gravelly loam	GC, CL, SC	A-6	0	0-5	60-85	50-75	45-70	35-60	25-35	10-15
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	50-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
Bartome	0-7	Very fine sandy loam	SM, SC-SM, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP
Zevadez	0-10	Very fine sandy loam	SC-SM, SM, CL-ML, ML	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
	10-19	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	19-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2651:												
Wieland---------	0-4	Loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-90	50-75	20-30	NP-10
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	55-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
Buffaran--------	0-5	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	20-25	5-10
	5-18	Silty clay loam, clay, clay loam	CL, CH	A-7	0	0	80-95	75-90	70-90	65-85	40-55	15-30
	18-25	Indurated			0	0	0	0	0	0	---	NP
	25-60	Cemented			0	0	0	0	0	0	---	NP
2652:												
Wieland---------	0-4	Loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-90	50-75	20-30	NP-10
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	55-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
Dacker----------	0-6	Silt loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	75-100	60-90	25-35	5-10
	6-25	Silty clay loam, gravelly silty clay loam	CL	A-6	0	0-5	75-100	70-90	65-90	60-85	35-40	15-20
	25-32	Silt loam, silty clay loam, gravelly silt loam	CL, GC	A-6	0	0-5	55-100	50-90	45-90	40-85	35-40	15-20
	32-60	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Zevadez---------	0-10	Very fine sandy loam	SC-SM, SM, CL-ML, ML	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
	10-19	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	19-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
2655:												
Wieland---------	0-4	Loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-90	50-75	20-30	NP-10
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	55-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
Gumble----------	0-4	Gravelly sandy loam	SC-SM	A-1, A-2	0	0-10	60-70	50-60	30-40	15-25	25-30	5-10
	4-18	Clay, gravelly clay	CH, GC	A-7	0	0-15	65-100	60-90	55-85	45-70	50-65	25-40
	18-28	Weathered bedrock			0	0	0	0	0	0	---	NP
Bilbo----------	0-5	Gravelly loam	GM-GC, GC, CL-ML, CL	A-4, A-6	0	0-10	65-90	55-75	50-70	40-55	25-35	5-15
	5-40	Very gravelly sandy clay, very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	45-65	35-50	30-45	20-40	40-55	20-35
	40-60	Extremely gravelly loamy sand, very gravelly sandy loam	GP-GM, GM	A-1	0	0-10	30-60	15-50	10-40	5-20	15-25	NP-5

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2656:												
Wieland	0-4	Loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-90	50-75	20-30	NP-10
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	55-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
Hunnton	0-3	Silt loam	ML	A-4	0	0	95-100	85-100	75-100	60-75	20-35	NP-10
	3-6	Loam, clay loam, silty clay loam	CL	A-6	0	0	95-100	90-100	75-95	60-90	30-35	10-15
	6-36	Clay, gravelly clay	CH	A-7	0	0-5	75-100	60-95	60-95	55-85	50-60	25-35
	36-40	Indurated			0	0	0	0	0	0	---	NP
Thwoop	0-4	Gravelly silt loam	GM-GC, CL-ML	A-4	0	0-10	70-95	55-75	40-65	40-65	25-30	5-10
	4-10	Silt loam	CL	A-6	0	0-10	90-95	85-90	50-75	50-75	30-35	10-15
	10-25	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	10-25	45-60	40-55	30-45	30-45	40-55	20-30
	25-27	Indurated			0	0	0	0	0	0	---	NP
	27-37	Unweathered bedrock			0	0	0	0	0	0	---	NP
2658:												
Wieland	0-5	Very gravelly loam	GC, SC	A-2, A-6	0	0-5	40-80	25-50	20-45	15-40	25-35	10-15
	5-26	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	50-90	50-80	45-75	50-60	25-35
	26-52	Gravelly sandy clay loam, gravelly clay loam	GC, SC	A-6, A-2	0	0-5	60-85	50-70	40-70	25-50	35-40	15-20
	52-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2666:												
Puett	0-3	Fine sandy loam	SM	A-4	0	0	90-100	85-95	60-80	35-50	---	NP
	3-10	Coarse sandy loam, fine sandy loam, sandy loam	SM, ML	A-1, A-2, A-4	0	0	80-100	75-95	40-80	15-55	---	NP
	10-14	Weathered bedrock			0	0	0	0	0	0	---	NP
Orovada	0-5	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	80-95	60-75	20-30	NP-5
	5-29	Fine sandy loam, loam	SM, ML	A-4	0	0	75-100	75-100	60-80	40-60	20-30	NP-5
	29-60	Stratified fine sandy loam to silt loam	SM, ML	A-4	0	0	75-100	75-100	60-85	35-55	20-30	NP-5
2667:												
Rock Outcrop.												
Puett	0-3	Gravelly loam	GM-GC, SC-SM	A-4	0	0-5	65-85	55-75	50-70	35-50	20-30	5-10
	3-10	Coarse sandy loam, gravelly loam, sandy loam	SM, ML, GM	A-1, A-2, A-4	0	0	55-95	50-90	30-80	15-55	---	NP
	10-14	Weathered bedrock			0	0	0	0	0	0	---	NP
Clurde	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2668:												
Puett	0-3	Gravelly loam	GM-GC, SC-SM	A-4	0	0-5	65-85	55-75	50-70	35-50	20-30	5-10
	3-10	Coarse sandy loam, gravelly loam, sandy loam	SM, ML, GM	A-1, A-2, A-4	0	0	55-95	50-90	30-80	15-55	---	NP
	10-14	Weathered bedrock			0	0	0	0	0	0	---	NP
Yuko	0-4	Sandy loam	SC-SM, SM	A-2, A-4	0	0	80-100	75-100	55-70	30-40	20-30	NP-10
	4-14	Silt loam, clay loam	CL	A-6, A-7	0-5	0-5	90-100	80-100	75-95	70-85	35-45	15-25
	14-18	Weathered bedrock			0	0	0	0	0	0	---	NP
Zevadez	0-10	Very fine sandy loam	SC-SM, SM, CL-ML, ML	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
	10-19	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	19-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
2710:												
Ramires	0-5	Silt loam	CL-ML	A-4	0	0	80-100	75-100	70-100	65-90	25-30	5-10
	5-24	Clay loam, gravelly clay loam	CL	A-7	0	0	65-90	60-85	55-80	50-75	40-45	15-20
	24-40	Very cobbly loam	CL-ML, GM-GC	A-4	0	40-50	65-75	60-70	50-65	45-60	25-30	5-10
	40-50	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Bartome---------	0-7	Very fine sandy loam	SM, SC-SM, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP
Bilbo-----------	0-5	Very gravelly very fine sandy loam	GM-GC	A-2	0	0-10	40-65	30-50	25-50	10-35	20-30	5-10
	5-40	Very gravelly sandy clay, very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	45-65	35-50	30-45	20-40	40-55	20-35
	40-60	Extremely gravelly loamy sand, very gravelly sandy loam	GP-GM, GM	A-1	0	0-10	30-60	15-50	10-40	5-20	15-25	NP-5
2711:												
Ramires---------	0-5	Silt loam	CL-ML	A-4	0	0	80-100	75-100	70-100	65-90	25-30	5-10
	5-24	Clay loam, gravelly clay loam	CL	A-7	0	0	65-90	60-85	55-80	50-75	40-45	15-20
	24-40	Very cobbly loam	CL-ML, GM-GC	A-4	0	40-50	65-75	60-70	50-65	45-60	25-30	5-10
	40-50	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Bilbo----------	0-5	Very gravelly very fine sandy loam	GM-GC	A-2	0	0-10	40-65	30-50	25-50	10-35	20-30	5-10
	5-40	Very gravelly sandy clay, very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0	0-25	45-65	35-50	30-45	20-40	40-55	20-35
	40-60	Extremely gravelly loamy sand, very gravelly sandy loam	GP-GM, GM	A-1	0	0-10	30-60	15-50	10-40	5-20	15-25	NP-5
Buffaran--------	0-5	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	20-25	5-10
	5-18	Silty clay loam, clay, clay loam	CL, CH	A-7	0	0	80-95	75-90	70-90	65-85	40-55	15-30
	18-25	Indurated			0	0	0	0	0	0	---	NP
	25-60	Cemented			0	0	0	0	0	0	---	NP
2741:												
Wilsor----------	0-7	Loam	CL-ML	A-4	0	0	80-100	75-100	60-90	50-80	25-30	5-10
	7-17	Loam, clay loam	CL	A-6, A-7	0	0	80-100	75-100	60-90	50-80	35-45	15-25
	17-46	Gravelly loam, gravelly sandy loam, loam	GM-GC, GC, CL-ML, CL	A-4, A-2, A-6	0	0	60-90	55-85	45-70	25-55	25-35	5-15
	46-56	Weathered bedrock			0	0	0	0	0	0	---	NP
Wilsor----------	0-7	Loam	CL-ML	A-4	0	0	80-100	75-100	60-90	50-80	25-30	5-10
	7-17	Loam, clay loam	CL	A-6, A-7	0	0	80-100	75-100	60-90	50-80	35-45	15-25
	17-46	Gravelly loam, gravelly sandy loam, loam	GM-GC, GC, CL-ML, CL	A-4, A-2, A-6	0	0	60-90	55-85	45-70	25-55	25-35	5-15
	46-56	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2751:												
Yuko	0-4	Sandy loam	SC-SM, SM	A-2, A-4	0	0	80-100	75-100	55-70	30-40	20-30	NP-10
	4-14	Silt loam, clay loam	CL	A-6, A-7	0-5	0-5	90-100	80-100	75-95	70-85	35-45	15-25
	14-18	Weathered bedrock			0	0	0	0	0	0	---	NP
Chime	0-6	Gravelly loam	GC, CL	A-6	0	0	60-80	55-75	50-70	40-60	25-35	10-15
	6-15	Clay loam, gravelly clay loam	CL	A-6, A-7	0	0	75-90	70-85	65-80	55-70	35-45	15-20
	15-22	Loam, gravelly loam, clay loam	CL, SC	A-6	0	0	75-95	70-90	60-75	40-60	25-35	10-15
	22-32	Weathered bedrock			0	0	0	0	0	0	---	NP
Clurde	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP
2775:												
Zevadez	0-10	Very fine sandy loam	SC-SM, SM, CL-ML, ML	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
	10-19	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	19-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Bartome---------	0-7	Very fine sandy loam	SM, SC-SM, SC-ML, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP
Wieland---------	0-4	Loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-90	50-75	20-30	NP-10
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	55-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
2776:												
Zevadez---------	0-10	Very fine sandy loam	SC-SM, SM, CL-ML, ML	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
	10-19	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	19-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
Chiara----------	0-6	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-21	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2777:												
Zevadez	0-10	Very fine sandy loam	SC-SM, SM, CL-ML, ML	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
	10-19	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	19-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
Wieland	0-4	Loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-90	50-75	20-30	NP-10
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	55-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
Clurde	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP
2778:												
Zevadez	0-10	Very fine sandy loam	SC-SM, SM, CL-ML, ML	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
	10-19	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	19-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Yuko----------	0-4	Sandy loam	SC-SM, SM	A-2, A-4	0	0	80-100	75-100	55-70	30-40	20-30	NP-10
	4-14	Silt loam, clay loam	CL	A-6, A-7	0-5	0-5	90-100	80-100	75-95	70-85	35-45	15-25
	14-18	Weathered bedrock			0	0	0	0	0	0	---	NP
Kelk----------	0-13	Very fine sandy loam	CL-ML	A-4	0	0	100	100	95-100	65-75	25-30	5-10
	13-48	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	95-100	95-100	85-95	25-35	5-15
	48-60	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	85-100	75-95	25-35	5-15
2780:												
Snowmore--------	0-4	Cobbly fine sandy loam	SC-SM	A-4	0-5	25-40	85-95	80-90	60-70	35-50	20-30	5-10
	4-13	Loam, clay loam	CL	A-6	0	0-10	90-100	85-100	70-90	50-75	30-40	10-20
	13-22	Loam, clay loam, gravelly clay loam	GC, CL	A-6, A-7	0	0-10	70-100	65-100	55-80	45-75	35-45	15-25
	22-28	Indurated			0	0	0	0	0	0	---	NP
	28-38	Unweathered bedrock			0	0	0	0	0	0	---	NP
Snowmore--------	0-4	Very fine sandy loam	CL-ML	A-4	0	0-10	90-100	85-100	70-85	50-65	25-30	5-10
	4-13	Loam, clay loam, sandy clay loam	CL	A-6	0	0-10	90-100	85-100	70-90	50-75	30-40	10-15
	13-22	Loam, clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-10	70-100	60-100	50-80	40-75	35-45	15-25
	22-29	Indurated			0	0	0	0	0	0	---	NP
	29-39	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2781:												
Snowmore--------	0-4	Cobbly fine sandy loam	SC-SM	A-4	0-5	25-40	85-95	80-90	60-70	35-50	20-30	5-10
	4-13	Loam, clay loam	CL	A-6	0	0-10	90-100	85-100	70-90	50-75	30-40	10-20
	13-22	Loam, clay loam, gravelly clay loam	GC, CL	A-6, A-7	0	0-10	70-100	65-100	55-80	45-75	35-45	15-25
	22-28	Indurated			0	0	0	0	0	0	---	NP
	28-38	Unweathered bedrock			0	0	0	0	0	0	---	NP
Snowmore--------	0-4	Very cobbly loam	GM-GC, GC, CL-ML, CL	A-4, A-6	0-5	40-50	70-85	65-80	55-75	45-60	25-35	5-15
	4-13	Loam, clay loam	CL	A-6	0	0-10	90-100	85-100	70-90	50-75	30-40	10-20
	13-22	Loam, clay loam, gravelly clay loam	GC, CL	A-6, A-7	0	0-10	70-100	65-100	55-80	45-75	35-45	15-25
	22-28	Indurated			0	0	0	0	0	0	---	NP
	28-38	Unweathered bedrock			0	0	0	0	0	0	---	NP
Snowmore--------	0-4	Very fine sandy loam	CL-ML	A-4	0	0-10	90-100	85-100	70-85	50-65	25-30	5-10
	4-13	Loam, clay loam, sandy clay loam	CL	A-6	0	0-10	90-100	85-100	70-90	50-75	30-40	10-15
	13-22	Loam, clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-10	70-100	60-100	50-80	40-75	35-45	15-25
	22-29	Indurated			0	0	0	0	0	0	---	NP
	29-39	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2782:												
Snowmore--------	0-4	Very fine sandy loam	CL-ML	A-4	0	0-10	90-100	85-100	70-85	50-65	25-30	5-10
	4-13	Loam, clay loam, sandy clay loam	CL	A-6	0	0-10	90-100	85-100	70-90	50-75	30-40	10-15
	13-22	Loam, clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-10	70-100	60-100	50-80	40-75	35-45	15-25
	22-29	Indurated			0	0	0	0	0	0	---	NP
	29-39	Unweathered bedrock			0	0	0	0	0	0	---	NP
Zevadez---------	0-10	Very fine sandy loam	SC-SM, SM, CL-ML, ML	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
	10-19	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	19-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
Snowmore--------	0-4	Cobbly fine sandy loam	SC-SM	A-4	0-5	25-40	85-95	80-90	60-70	35-50	20-30	5-10
	4-13	Loam, clay loam	CL	A-6	0	0-10	90-100	85-100	70-90	50-75	30-40	10-20
	13-22	Loam, clay loam, gravelly clay loam	GC, CL	A-6, A-7	0	0-10	70-100	65-100	55-80	45-75	35-45	15-25
	22-28	Indurated			0	0	0	0	0	0	---	NP
	28-38	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2783:												
Snowmore	0-4	Very fine sandy loam	CL-ML	A-4	0	0-10	90-100	85-100	70-85	50-65	25-30	5-10
	4-13	Loam, clay loam, sandy clay loam	CL	A-6	0	0-10	90-100	85-100	70-90	50-75	30-40	10-15
	13-22	Loam, clay loam, gravelly loam	GC, CL	A-6, A-7	0	0-10	70-100	60-100	50-80	40-75	35-45	15-25
	22-29	Indurated			0	0	0	0	0	0	---	NP
	29-39	Unweathered bedrock			0	0	0	0	0	0	---	NP
Willhill	0-6	Gravelly loam	GM, GM-GC	A-4	0	0-10	55-75	50-75	40-60	35-50	20-30	NP-10
	6-11	Very gravelly clay loam, gravelly clay loam, very cobbly clay loam	CL-ML, CL, GC, GM-GC	A-4, A-6	0-5	15-50	65-85	60-80	55-80	40-65	25-40	5-20
	11-23	Extremely gravelly loam, extremely cobbly loam	GC, GM-GC	A-2	0-5	30-50	25-45	20-40	20-35	15-30	20-30	5-15
	23-27	Weathered bedrock			0	0	0	0	0	0	---	NP
2790:												
Old Camp	0-6	Extremely stony loam	GM, GM-GC	A-2, A-4	25-50	10-20	60-70	55-65	50-60	30-40	15-25	NP-10
	6-16	Very cobbly clay loam, extremely stony sandy clay loam, very stony clay loam	GC	A-2, A-6	15-25	20-30	40-55	35-50	30-45	25-40	30-40	15-25
	16-20	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Troughs	0-2	Gravelly loam	CL, GC	A-6	0	0-5	55-80	50-75	40-70	35-60	30-35	10-15
	2-14	Cobbly clay loam, very cobbly clay loam, very gravelly clay loam	CL, SC, GC	A-2, A-6, A-7	0-5	15-50	45-85	40-80	35-75	30-60	35-45	15-20
	14-20	Indurated			0	0	0	0	0	0	---	NP
	20-24	Unweathered bedrock			0	0	0	0	0	0	---	NP
Olac	0-4	Very stony loam	GC	A-2	5-25	5-20	40-60	35-55	25-40	20-30	25-30	10-15
	4-14	Extremely gravelly clay loam, extremely gravelly loam	GC	A-2	5-10	10-20	30-45	20-35	15-30	10-25	30-40	15-20
	14-18	Unweathered bedrock			0	0	0	0	0	0	---	NP
2801:												
Bartome	0-7	Very fine sandy loam	SM, SC-SM, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP
Alley	0-7	Gravelly loam	SC-SM, SM, GM-GC, GM	A-4	0	0-5	60-85	50-75	45-60	40-50	20-30	NP-10
	7-20	Gravelly clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-40	10-15
	20-40	Gravelly loam, gravelly sandy loam	GM, GM-GC, SM, SC-SM	A-2	0	0-10	60-70	50-60	35-45	25-35	20-30	NP-10
	40-60	Very gravelly sandy loam	GM	A-1	0	0-10	30-55	25-50	15-40	10-25	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Clurde----------	0-6	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	6-29	Sandy clay loam, silt loam, loam	SC, CL	A-6	0	0	80-100	75-100	65-90	40-55	30-40	10-20
	29-43	Coarse sandy loam	SC-SM	A-2, A-4	0	0	80-100	75-100	50-70	30-40	20-25	5-10
	43-60	Loamy sand, gravelly loamy sand	SM	A-2, A-1	0	0	70-90	60-85	40-65	15-30	---	NP
2802:												
Bartome----------	0-7	Very fine sandy loam	SM, SC-SM, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP
Buffaran--------	0-5	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	20-25	5-10
	5-18	Silty clay loam, clay, clay loam	CL, CH	A-7	0	0	80-95	75-90	70-90	65-85	40-55	15-30
	18-25	Indurated			0	0	0	0	0	0	---	NP
	25-60	Cemented			0	0	0	0	0	0	---	NP
2803:												
Bartome----------	0-7	Very fine sandy loam	SM, SC-SM, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Buffaran--------	0-5	Very fine sandy loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	20-25	5-10
	5-18	Silty clay loam, clay, clay loam	CL, CH	A-7	0	0	80-95	75-90	70-90	65-85	40-55	15-30
	18-25	Indurated			0	0	0	0	0	0	---	NP
	25-60	Cemented			0	0	0	0	0	0	---	NP
Ramires---------	0-5	Silt loam	CL-ML	A-4	0	0	80-100	75-100	70-100	65-90	25-30	5-10
	5-24	Clay loam, gravelly clay loam	CL	A-7	0	0	65-90	60-85	55-80	50-75	40-45	15-20
	24-40	Very cobbly loam	CL-ML, GM-GC	A-4	0	40-50	65-75	60-70	50-65	45-60	25-30	5-10
	40-50	Unweathered bedrock			0	0	0	0	0	0	---	NP
2804:												
Bartome---------	0-7	Very fine sandy loam	SM, SC-SM, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP
Chiara----------	0-6	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-21	Indurated			0	0	0	0	0	0	---	NP
2805:												
Bartome---------	0-7	Very fine sandy loam	SM, SC-SM, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
2807:												
Bartome	0-7	Very fine sandy loam	SM, SC-SM, SC-ML, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP
Coltroop	0-5	Very fine sandy loam	SC-SM	A-4	0	0	90-100	75-100	70-90	40-50	25-30	5-10
	5-17	Silt loam, silty clay loam	CL	A-6	0	0	85-100	75-100	65-95	60-85	30-40	10-15
	17-32	Indurated			0	0	0	0	0	0	---	NP
	32-42	Unweathered bedrock			0	0	0	0	0	0	---	NP
Zevadez	0-10	Gravelly loam	SC-SM, SC	A-2, A-4, A-6	0	0	70-85	60-75	45-60	30-50	25-35	5-15
	10-19	Loam, clay loam, sandy clay loam	SC, CL	A-2, A-6	0	0	85-100	75-100	60-90	30-70	30-40	10-15
	19-60	Very fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	65-95	40-65	20-30	NP-10
2808:												
Bartome	0-7	Very fine sandy loam	SM, SC-SM, SC-ML, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP
Susie Creek	0-10	Very fine sandy loam	CL-ML, ML	A-4	0	0	90-100	75-100	70-95	50-65	20-30	NP-10
	10-30	Clay loam, clay	CL, CH	A-7	0	0-10	90-100	85-100	70-100	70-95	40-60	20-30
	30-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0	0-10	90-100	85-100	65-85	50-70	25-35	5-15

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Wieland---------	0-4	Very fine sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	90-100	80-95	75-90	45-60	15-30	NP-10
	4-30	Gravelly clay, clay	CH, SC	A-7	0	0-5	75-95	55-90	50-80	45-75	50-60	25-35
	30-60	Loam, gravelly loam, gravelly sandy loam	CL-ML, SC-SM	A-4, A-2	0	0-5	65-95	55-90	40-85	25-70	20-30	5-10
2809:												
Bartome---------	0-7	Silt loam	SM, SC-SM, CL-ML, ML	A-4	0	0	80-100	75-100	65-95	45-65	20-30	NP-10
	7-14	Silty clay loam	CL	A-6	0	0	80-100	75-100	70-90	65-85	35-40	15-20
	14-28	Indurated			0	0	0	0	0	0	---	NP
	28-42	Cemented			0	0	0	0	0	0	---	NP
Dacker----------	0-6	Silt loam	CL-ML, ML	A-4	0	0-5	90-100	85-100	75-100	60-90	25-35	5-10
	6-25	Silty clay loam, gravelly silty clay loam	CL	A-6	0	0-5	75-100	70-90	65-90	60-85	35-40	15-20
	25-32	Silt loam, silty clay loam, gravelly silt loam	CL, GC	A-6	0	0-5	55-100	50-90	45-90	40-85	35-40	15-20
	32-60	Indurated			0	0	0	0	0	0	---	NP
2820: Rock Outcrop.												

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Alley----------	0-7	Very stony loam	SM	A-4	15-25	10-15	80-90	65-80	50-60	35-45	25-30	NP-5
	7-20	Gravelly clay loam, gravelly sandy clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-35	15-20
	20-40	Gravelly fine sandy loam, cobbly fine sandy loam, gravelly sandy loam	SM, GM	A-2, A-4	0-10	0-40	60-85	50-80	35-75	25-40	25-30	NP-5
	40-60	Very cobbly fine sandy loam	SM	A-2	0-15	30-45	70-75	60-70	45-55	25-35	25-30	NP-5
Vanwyper--------	0-10	Very stony loam	CL	A-6	5-25	0-15	70-95	65-85	60-80	50-65	25-35	10-15
	10-25	Very cobbly clay, very cobbly clay loam	GC, CL, CH	A-7	0-15	30-55	55-75	50-65	45-60	40-55	40-60	20-40
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP
2822:												
Rock Outcrop.												
Rubble Land.												

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Alley----------	0-7	Very stony loam	SM	A-4	15-25	10-15	80-90	65-80	50-60	35-45	25-30	NP-5
	7-20	Gravelly clay loam, gravelly sandy clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-35	15-20
	20-40	Gravelly fine sandy loam, cobbly fine sandy loam, gravelly sandy loam	SM, GM	A-2, A-4	0-10	0-40	60-85	50-80	35-75	25-40	25-30	NP-5
	40-60	Very cobbly fine sandy loam	SM	A-2	0-15	30-45	70-75	60-70	45-55	25-35	25-30	NP-5
3000:												
Handy----------	0-10	Loam	CL-ML, CL, ML	A-4, A-6	0	0-5	90-100	85-100	70-85	60-75	20-35	NP-15
	10-28	Gravelly clay, clay	CH, CL	A-7	0	0-5	70-100	60-100	60-75	50-70	45-55	30-35
	28-60	Stratified gravelly loam to very gravelly loamy sand	GM	A-1, A-2	0	0-5	35-65	30-60	20-55	10-35	15-25	NP-5
Wilsor----------	0-7	Loam	CL-ML	A-4	0	0	80-100	75-100	60-90	50-80	25-30	5-10
	7-17	Loam, clay loam	CL	A-6, A-7	0	0	80-100	75-100	60-90	50-80	35-45	15-25
	17-46	Gravelly loam, gravelly sandy loam, loam	GM-GC, GC, CL-ML, CL	A-4, A-2, A-6	0	0	60-90	55-85	45-70	25-55	25-35	5-15
	46-56	Weathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Deseed----------	0-4	Gravelly loam	CL-ML, CL	A-4, A-6	0	5-15	70-85	65-80	55-70	50-60	25-35	5-15
	4-26	Gravelly clay loam, gravelly clay	GC, CL	A-7	0	0-10	60-80	55-75	50-70	45-70	40-50	20-30
	26-30	Unweathered bedrock			0	0	0	0	0	0	---	NP
3010:												
Relley----------	0-6	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	95-100	75-90	25-35	5-10
	6-14	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	95-100	85-95	25-35	5-10
	14-25	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	95-100	85-95	25-35	5-10
	25-60	Silt loam	CL-ML, ML	A-4	0	0	95-100	95-100	95-100	85-95	25-35	5-10
Kelk----------	0-13	Very fine sandy loam	CL-ML	A-4	0	0	100	100	95-100	65-75	25-30	5-10
	13-48	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	95-100	95-100	85-95	25-35	5-15
	48-60	Silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	90-100	85-100	75-95	25-35	5-15
3020:												
Sodhouse--------	0-6	Silt loam	ML	A-4	0	0	90-100	85-100	80-90	60-75	20-25	NP-5
	6-19	Very fine sandy loam, silt loam, loam	ML	A-4	0	0	80-100	75-100	60-90	50-60	20-25	NP-5
	19-25	Indurated			0	0	0	0	0	0	---	NP
	25-56	Gravelly sandy loam	SM	A-2, A-4	0	0-10	65-80	60-75	50-65	25-40	15-25	NP-5
Chiara----------	0-6	Silt loam	ML	A-4	0	0	95-100	90-100	85-95	70-80	25-35	NP-5
	6-17	Very fine sandy loam, loam, silt loam	ML	A-4	0	0	95-100	90-100	80-95	70-80	25-35	NP-5
	17-21	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
3030:												
Deepeek---------	0-5	Very cobbly loam	GM-GC	A-2, A-4	0-5	30-40	55-70	50-65	40-55	30-45	25-30	5-10
	5-18	Very cobbly loam, very cobbly silt loam, very cobbly silty clay loam	GC	A-6	0-5	30-40	55-70	50-65	45-55	40-50	30-40	10-20
	18-24	Indurated			0	0	0	0	0	0	---	NP
	24-42	Gravelly silt loam	GM-GC, CL-ML, GM, ML	A-4	0	0	55-80	50-75	45-70	45-60	20-30	NP-10
Alley-----------	0-7	Very cobbly very fine sandy loam	GM-GC, GM, SC-SM, SM	A-2	0-5	25-40	55-75	50-70	45-65	25-35	20-30	NP-10
	7-20	Gravelly clay loam, gravelly sandy clay loam, gravelly loam	SC, GC	A-6	0	0-10	65-80	55-75	50-65	35-50	30-35	15-20
	20-40	Gravelly fine sandy loam, cobbly fine sandy loam, gravelly sandy loam	SM, GM	A-2, A-4	0-10	0-40	60-85	50-80	35-75	25-40	25-30	NP-5
	40-60	Very cobbly fine sandy loam	SM	A-2	0-15	15-45	70-75	60-70	45-55	25-35	25-30	NP-5
3100:												
Ratsow----------	0-7	Loam	SC-SM, CL-ML	A-4	0	0	80-100	75-100	65-95	45-65	25-30	5-10
	7-29	Clay loam, clay	CL, CH	A-7	0	0	80-100	75-100	70-90	55-70	40-55	20-30
	29-30	Indurated			0	0	0	0	0	0	---	NP
	30-34	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Quarz	0-6	Very cobbly loam	GC, CL, SC	A-6	0-10	25-50	60-85	55-80	50-70	35-60	25-35	10-20
	6-15	Very cobbly clay loam, very gravelly clay loam	GC	A-6, A-7, A-2	0-10	10-40	35-60	30-55	25-50	20-40	35-45	15-25
	15-21	Very gravelly clay, very gravelly clay loam	GC	A-2, A-7	0-5	5-25	30-55	25-50	20-45	15-40	45-55	20-30
	21-25	Unweathered bedrock			0	0	0	0	0	0	---	NP
Susie Creek	0-10	Loam	CL	A-6	0	0	90-100	75-100	70-95	55-75	30-35	10-15
	10-30	Clay loam, clay	CL, CH	A-7	0	0-10	90-100	85-100	70-100	70-95	40-60	20-30
	30-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0	0-10	90-100	85-100	65-85	50-70	25-35	5-15
3510:												
Midraw	0-2	Gravelly loam	GC, CL	A-6	0	0-10	65-80	60-75	55-65	45-55	25-35	10-15
	2-19	Gravelly clay loam, gravelly clay	GC, CL	A-7	0	0-10	60-80	55-75	50-70	40-60	40-50	20-25
	19-25	Indurated			0	0	0	0	0	0	---	NP
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Troughs	0-2	Gravelly loam	CL, GC	A-6	0	0-5	55-80	50-75	40-70	35-60	30-35	10-15
	2-14	Cobbly clay loam, very cobbly clay loam, very gravelly clay loam	CL, SC, GC	A-2, A-6, A-7	0-5	15-50	45-85	40-80	35-75	30-60	35-45	15-20
	14-19	Very cobbly loam, extremely cobbly loam, very cobbly clay loam	CL-ML, CL, GM-GC, GC	A-2, A-4, A-6	0-15	40-75	50-95	45-90	40-85	30-70	25-40	5-15
	19-20	Indurated			0	0	0	0	0	0	---	NP
	20-24	Unweathered bedrock			0	0	0	0	0	0	---	NP
Midraw	0-2	Gravelly loam	GC, CL	A-6	0	0-10	65-80	60-75	55-65	45-55	25-35	10-15
	2-19	Gravelly clay loam, gravelly clay	GC, CL	A-7	0	0-10	60-80	55-75	50-70	40-60	40-50	20-25
	19-25	Indurated			0	0	0	0	0	0	---	NP
	25-29	Unweathered bedrock			0	0	0	0	0	0	---	NP
3710: Rock Outcrop.												
Petan	0-6	Extremely stony loam	CL	A-6	25-55	10-30	70-90	65-85	60-70	50-60	25-35	10-15
	6-19	Very cobbly clay, very stony clay	CH	A-7	20-45	15-40	65-85	60-80	55-75	50-70	50-65	25-40
	19-20	Indurated			0	0	0	0	0	0	---	NP
	20-30	Unweathered bedrock			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Bulake----------	0-7	Gravelly loam	GC, CL	A-6	0	0-10	60-80	55-75	50-75	40-60	25-35	10-15
	7-19	Clay, gravelly clay	CH	A-7	0	0-10	60-95	55-90	55-85	50-80	50-60	30-40
	19-23	Unweathered bedrock			0	0	0	0	0	0	---	NP
3715:												
Petan----------	0-6	Very cobbly loam	CL	A-6	1-5	40-55	70-90	65-85	60-70	50-60	25-35	10-15
	6-19	Very cobbly clay, very stony clay	CH	A-7	20-45	15-40	65-85	60-80	55-75	50-70	50-65	25-40
	19-20	Indurated			0	0	0	0	0	0	---	NP
	20-30	Unweathered bedrock			0	0	0	0	0	0	---	NP
Deunah----------	0-9	Silt loam	CL-ML, CL	A-4, A-6	0	0-10	95-100	95-100	80-100	70-90	20-35	5-15
	9-26	Clay	CH	A-7	0	0-10	95-100	95-100	90-100	85-95	60-80	30-45
	26-33	Indurated			0	0	0	0	0	0	---	NP
Hatpeak----------	0-10	Loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-100	65-80	55-70	25-35	5-15
	10-30	Silty clay loam, silty clay, clay	CL, CH	A-7	0	0-15	95-100	90-100	70-90	60-85	40-55	20-35
	30-60	Indurated			0	0	0	0	0	0	---	NP
3721:												
Hatpeak----------	0-10	Loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-100	65-80	55-70	25-35	5-15
	10-30	Silty clay loam, silty clay, clay	CL, CH	A-7	0	0-15	95-100	90-100	70-90	60-85	40-55	20-35
	30-60	Indurated			0	0	0	0	0	0	---	NP
Deunah----------	0-9	Silt loam	CL-ML, CL	A-4, A-6	0	0-10	95-100	95-100	80-100	70-90	20-35	5-15
	9-26	Clay	CH	A-7	0	0-10	95-100	95-100	90-100	85-95	60-80	30-45
	26-33	Indurated			0	0	0	0	0	0	---	NP

TABLE 15.--ENGINEERING INDEX PROPERTIES--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
3722:												
Hatpeak---------	0-10	Loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-100	65-80	55-70	25-35	5-15
	10-30	Silty clay loam, silty clay, clay	CL, CH	A-7	0	0-15	95-100	90-100	70-90	60-85	40-55	20-35
	30-60	Indurated			0	0	0	0	0	0	---	NP
Hatpeak---------	0-10	Loam	CL-ML, CL	A-4, A-6	0	0	80-100	75-100	65-80	55-70	25-35	5-15
	10-30	Silty clay loam, silty clay, clay	CL, CH	A-7	0	0-15	95-100	90-100	70-90	60-85	40-55	20-35
	30-60	Indurated			0	0	0	0	0	0	---	NP

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodability index" apply only to the surface layer)

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1:												
Rubble Land-----	0-60	---	1.70-2.35	>20.00	0.00-0.10	Low	0.0-0.1	---	---	---	8	---
120:												
Cotant----------	0-3	27-40	1.10-1.30	0.20-0.60	0.13-0.16	Moderate	1.0-2.0	0.20	0.37	2	7	38
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
Lerrow----------	0-9	20-25	1.05-1.20	0.60-2.00	0.12-0.15	Moderate	2.0-3.0	0.20	0.37	3	6	48
	9-14	30-40	1.20-1.40	0.20-0.60	0.16-0.19	Moderate	1.0-2.0	0.20	0.32			
	14-27	40-55	1.25-1.40	0.06-0.20	0.11-0.14	High	0.5-1.0	0.15	0.37			
	27-31	---	---	0.00-0.01	---		---	---	---			
Cotant----------	0-3	27-40	1.10-1.30	0.20-0.60	0.13-0.16	Moderate	1.0-2.0	0.20	0.37	2	7	38
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
126:												
Cotant----------	0-3	20-27	1.10-1.30	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.15	0.43	2	8	---
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
Lerrow----------	0-9	20-25	1.05-1.20	0.60-2.00	0.14-0.16	Moderate	2.0-3.0	0.20	0.43	3	6	48
	9-14	30-40	1.20-1.40	0.20-0.60	0.16-0.19	Moderate	1.0-2.0	0.20	0.32			
	14-27	40-55	1.25-1.40	0.06-0.20	0.11-0.14	High	0.5-1.0	0.15	0.37			
	27-31	---	---	0.00-0.01	---		---	---	---			
Akler----------	0-4	18-25	1.20-1.40	0.60-2.00	0.14-0.16	Moderate	1.0-2.0	0.43	0.43	2	5	56
	4-18	50-60	1.20-1.35	0.06-0.20	0.07-0.11	High	0.5-1.0	0.28	0.32			
	18-22	---	---	0.00-0.01	---		---	---	---			
127:												
Cotant----------	0-3	27-40	1.10-1.30	0.20-0.60	0.09-0.14	Low	1.0-2.0	0.10	0.49	2	8	---
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Ninemile--------	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Lerrow----------	0-9	20-25	1.05-1.20	0.60-2.00	0.12-0.15	Moderate	2.0-3.0	0.20	0.37	3	6	48
	9-14	30-40	1.20-1.40	0.20-0.60	0.16-0.19	Moderate	1.0-2.0	0.20	0.32			
	14-27	40-55	1.25-1.40	0.06-0.20	0.11-0.14	High	0.5-1.0	0.15	0.37			
	27-31	---	---	0.00-0.01	---		---	---	---			
128:												
Cotant----------	0-3	20-27	1.10-1.30	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.15	0.43	2	8	---
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
Graley----------	0-12	10-18	1.30-1.50	0.60-2.00	0.08-0.12	Low	2.0-4.0	0.17	0.55	1	7	38
	12-17	35-45	1.25-1.40	0.06-0.20	0.08-0.10	Moderate	1.0-2.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
129:												
Cotant----------	0-3	27-40	1.10-1.30	0.20-0.60	0.09-0.14	Low	1.0-2.0	0.10	0.49	2	8	---
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
Chen------------	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
Crooked Creek---	0-4	27-30	1.20-1.30	0.60-2.00	0.19-0.21	Moderate	2.0-4.0	0.32	0.32	5	7	38
	4-37	35-50	1.15-1.25	0.06-0.20	0.15-0.17	High	1.0-2.0	0.24	0.24			
	37-60	25-40	1.20-1.30	0.20-0.60	0.19-0.21	Moderate	0.8-2.0	0.28	0.43			
130:												
Cotant----------	0-3	27-40	1.10-1.30	0.20-0.60	0.13-0.16	Moderate	1.0-2.0	0.20	0.37	2	7	38
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Booford---------	0-10	15-25	1.10-1.30	0.60-2.00	0.18-0.20	Moderate	2.0-4.0	0.43	0.43	3	6	48
	10-19	35-50	1.30-1.45	0.06-0.20	0.13-0.19	Moderate	1.0-3.0	0.24	0.43			
	19-36	40-60	1.25-1.45	0.06-0.20	0.13-0.19	High	0.5-2.0	0.17	0.37			
	36-46	---	---	0.00-0.01	---		---	---	---			
140:												
Upville---------	0-10	15-22	1.30-1.35	0.60-2.00	0.13-0.15	Moderate	2.0-4.0	0.20	0.32	3	6	48
	10-21	15-27	1.40-1.45	0.60-2.00	0.05-0.14	Low	0.5-2.0	0.15	0.37			
	21-60	0-5	1.45-1.50	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.02	0.20			
Upville---------	0-10	15-22	1.30-1.35	0.60-2.00	0.13-0.15	Moderate	2.0-4.0	0.20	0.32	2	6	48
	10-21	15-27	1.40-1.45	0.60-2.00	0.06-0.14	Low	1.0-2.0	0.15	0.37			
	21-60	0-5	1.45-1.50	6.00-20.00	0.03-0.05	Low	0.5-1.0	0.02	0.20			
141:												
Upville---------	0-12	15-22	1.30-1.35	0.60-2.00	0.13-0.15	Moderate	2.0-4.0	0.20	0.32	2	6	48
	12-26	15-27	1.40-1.45	0.60-2.00	0.06-0.14	Low	1.0-2.0	0.15	0.37			
	26-60	0-5	1.45-1.50	6.00-20.00	0.03-0.05	Low	0.5-1.0	0.02	0.20			
Kleckner---------	0-8	15-25	1.10-1.30	0.60-2.00	0.11-0.17	Moderate	2.0-3.0	0.20	0.37	5	7	38
	8-20	35-50	1.25-1.45	0.06-0.20	0.08-0.12	Moderate	1.0-2.0	0.05	0.43			
	20-42	35-50	1.25-1.45	0.06-0.20	0.08-0.14	Moderate	0.5-1.0	0.05	0.37			
	42-60	15-20	1.35-1.55	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.32			
150:												
Gochea----------	0-9	10-20	1.30-1.50	0.60-2.00	0.08-0.13	Low	1.0-2.0	0.17	0.32	4	6	48
	9-25	25-35	1.30-1.50	0.20-0.60	0.12-0.18	Moderate	0.5-1.0	0.17	0.28			
	25-30	10-15	1.50-1.70	2.00-6.00	0.09-0.13	Low	0.0-0.5	0.28	0.43			
	30-60	2-5	1.55-1.75	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.20			
161:												
Sonoma----------	0-12	20-27	1.35-1.50	0.60-2.00	0.18-0.21	Moderate	0.6-2.0	0.43	0.43	5	4L	86
	12-60	25-35	1.35-1.50	0.20-0.60	0.19-0.21	Moderate	0.6-2.0	0.37	0.37			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
162:												
Sonoma----------	0-12	20-27	1.35-1.50	0.60-2.00	0.19-0.21	Moderate	1.0-2.0	0.43	0.43	5	4L	86
	12-60	25-35	1.35-1.50	0.20-0.60	0.19-0.21	Moderate	0.5-2.0	0.37	0.37			
184:												
Crooked Creek---	0-3	27-30	1.20-1.30	0.60-2.00	0.19-0.21	Moderate	2.0-4.0	0.32	0.32	5	7	38
	3-37	35-50	1.15-1.25	0.06-0.20	0.15-0.17	High	1.0-2.0	0.24	0.24			
	37-60	25-40	1.20-1.30	0.20-0.60	0.19-0.21	Moderate	0.8-2.0	0.28	0.43			
185:												
Crooked Creek---	0-4	27-30	1.20-1.30	0.60-2.00	0.19-0.21	Moderate	2.0-4.0	0.32	0.32	5	7	38
	4-37	35-50	1.15-1.25	0.06-0.20	0.15-0.17	High	1.0-2.0	0.24	0.24			
	37-60	25-40	1.20-1.30	0.20-0.60	0.19-0.21	Moderate	0.8-2.0	0.28	0.43			
Crooked Creek---	0-4	27-30	1.20-1.30	0.60-2.00	0.19-0.21	Moderate	2.0-4.0	0.32	0.32	5	7	38
	4-37	35-50	1.15-1.25	0.06-0.20	0.15-0.17	High	1.0-2.0	0.24	0.24			
	37-60	25-40	1.20-1.30	0.20-0.60	0.19-0.21	Moderate	0.8-2.0	0.28	0.43			
186:												
Crooked Creek---	0-4	27-30	1.20-1.30	0.60-2.00	0.19-0.21	Moderate	2.0-4.0	0.32	0.32	5	7	38
	4-37	35-50	1.15-1.25	0.06-0.20	0.15-0.17	High	1.0-2.0	0.24	0.24			
	37-60	25-40	1.20-1.30	0.20-0.60	0.19-0.21	Moderate	0.8-2.0	0.28	0.43			
Crooked Creek---	0-4	27-30	1.20-1.30	0.60-2.00	0.19-0.21	Moderate	2.0-4.0	0.32	0.32	5	7	38
	4-37	35-50	1.15-1.25	0.06-0.20	0.15-0.17	High	1.0-2.0	0.24	0.24			
	37-60	25-40	1.20-1.30	0.20-0.60	0.19-0.21	Moderate	0.8-2.0	0.28	0.43			
Crooked Creek---	0-4	30-40	1.20-1.40	0.06-0.20	0.19-0.21	Moderate	2.0-4.0	0.37	0.37	5	7	38
	4-37	35-50	1.25-1.45	0.06-0.20	0.15-0.16	High	2.0-4.0	0.28	0.24			
	37-60	30-40	1.30-1.50	0.06-0.20	0.19-0.21	Moderate	0.8-2.0	0.32	0.32			
188:												
Crooked Creek---	0-4	27-30	1.20-1.30	0.60-2.00	0.19-0.21	Moderate	2.0-4.0	0.32	0.32	5	7	38
	4-37	35-50	1.15-1.25	0.06-0.20	0.15-0.17	High	1.0-2.0	0.24	0.24			
	37-60	25-40	1.20-1.30	0.20-0.60	0.19-0.21	Moderate	0.8-2.0	0.28	0.43			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Welch----------	0-10	15-20	1.25-1.40	0.60-2.00	0.16-0.18	Low	2.0-4.0	0.32	0.32	5	5	56
	10-60	27-35	1.30-1.45	0.20-0.60	0.16-0.21	Moderate	0.5-4.0	0.28	0.32			
Crooked Creek---	0-4	30-40	1.20-1.40	0.06-0.20	0.19-0.21	Moderate	2.0-4.0	0.37	0.37	5	7	38
	4-37	35-50	1.25-1.45	0.06-0.20	0.15-0.16	High	2.0-4.0	0.28	0.24			
	37-60	30-40	1.30-1.50	0.06-0.20	0.19-0.21	Moderate	0.8-2.0	0.32	0.32			
190:												
Heechee---------	0-7	15-27	1.10-1.25	0.60-2.00	0.12-0.14	Low	2.0-4.0	0.20	0.37	5	6	48
	7-27	25-35	1.30-1.45	0.20-0.60	0.06-0.14	Low	1.0-2.0	0.10	0.43			
	27-61	10-20	1.40-1.60	6.00-20.00	0.03-0.06	Low	0.5-1.0	0.05	0.28			
Heechee---------	0-7	15-27	1.15-1.25	0.60-2.00	0.12-0.15	Low	2.0-4.0	0.20	0.37	5	6	48
	7-27	25-35	1.30-1.45	0.20-0.60	0.06-0.14	Low	1.0-2.0	0.10	0.49			
	27-61	10-25	1.40-1.60	6.00-20.00	0.02-0.06	Low	0.0-1.0	0.05	0.49			
200:												
Lynnbow---------	0-4	18-25	1.05-1.20	0.60-2.00	0.19-0.21	Moderate	2.0-3.0	0.49	0.49	3	6	48
	4-26	50-60	1.20-1.40	0.00-0.06	0.14-0.16	High	1.0-3.0	0.20	0.37			
	26-40	40-55	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-1.0	0.20	0.37			
	40-58	15-25	1.35-1.55	0.20-0.60	0.16-0.19	Low	0.0-0.5	0.32	0.37			
	58-68	---	---	0.00-0.01	---		---	---	---			
Rugar----------	0-2	15-27	1.05-1.20	0.60-2.00	0.16-0.18	Moderate	2.0-5.0	0.32	0.37	4	5	56
	2-20	27-35	1.15-1.35	0.20-0.60	0.18-0.20	Moderate	1.0-2.0	0.28	0.32			
	20-43	40-55	1.20-1.40	0.06-0.20	0.12-0.15	High	0.0-0.8	0.20	0.32			
	43-47	---	---	0.00-0.01	---		---	---	---			
201:												
Lynnbow---------	0-4	18-25	1.05-1.20	0.60-2.00	0.19-0.21	Moderate	2.0-3.0	0.49	0.49	3	6	48
	4-26	50-60	1.20-1.40	0.00-0.06	0.14-0.16	High	1.0-3.0	0.20	0.37			
	26-40	40-55	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-1.0	0.20	0.37			
	40-58	15-25	1.35-1.55	0.20-0.60	0.16-0.19	Low	0.0-0.5	0.32	0.37			
	58-68	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Lerrow----------	0-9	20-25	1.05-1.20	0.60-2.00	0.12-0.15	Moderate	2.0-3.0	0.20	0.37	3	6	48
	9-14	30-40	1.20-1.40	0.20-0.60	0.16-0.19	Moderate	1.0-2.0	0.20	0.32			
	14-27	40-55	1.25-1.40	0.06-0.20	0.11-0.14	High	0.5-1.0	0.15	0.37			
	27-31	---	---	0.00-0.01	---		---	---	---			
Crooked Creek---	0-4	27-30	1.20-1.30	0.60-2.00	0.19-0.21	Moderate	2.0-4.0	0.32	0.32	5	7	38
	4-37	35-50	1.15-1.25	0.06-0.20	0.15-0.17	High	1.0-2.0	0.24	0.24			
	37-60	25-40	1.20-1.30	0.20-0.60	0.19-0.21	Moderate	0.8-2.0	0.28	0.43			
210:												
Soonaker--------	0-3	5-15	1.35-1.50	2.00-6.00	0.13-0.15	Low	1.0-2.0	0.43	0.43	3	3	86
	3-16	18-25	1.40-1.55	0.60-2.00	0.15-0.18	Moderate	0.5-1.0	0.37	0.43			
	16-24	10-25	1.30-1.50	0.60-6.00	0.06-0.10	Low	0.0-0.5	0.24	0.49			
	24-28	---	---	0.00-0.01	---		---	---	---			
Bulake----------	0-7	18-25	1.30-1.50	0.60-2.00	0.12-0.14	Moderate	1.0-2.0	0.24	0.43	1	6	48
	7-19	40-50	1.20-1.40	0.06-0.20	0.11-0.15	High	0.5-1.0	0.20	0.32			
	19-23	---	---	0.00-0.01	---		---	---	---			
220:												
Cavanaugh-------	0-5	20-25	1.40-1.50	0.60-2.00	0.14-0.17	Moderate	1.0-3.0	0.24	0.32	2	6	48
	5-9	35-50	1.20-1.40	0.06-0.20	0.12-0.16	High	0.6-2.0	0.15	0.28			
	9-21	35-50	1.20-1.40	0.06-0.20	0.08-0.12	Moderate	0.0-0.5	0.10	0.55			
	21-25	---	---	0.00-0.01	---		---	---	---			
Rugar-----------	0-2	27-35	1.05-1.20	0.20-0.60	0.18-0.20	Moderate	2.0-5.0	0.28	0.32	4	6	48
	2-20	27-35	1.15-1.35	0.20-0.60	0.18-0.20	Moderate	1.0-2.0	0.28	0.32			
	20-43	40-55	1.20-1.40	0.06-0.20	0.12-0.15	High	0.0-0.8	0.20	0.32			
	43-47	---	---	0.00-0.01	---		---	---	---			
McIvey----------	0-16	20-27	1.05-1.20	0.60-2.00	0.11-0.15	Low	2.0-5.0	0.17	0.32	5	7	38
	16-29	30-40	1.25-1.45	0.20-0.60	0.12-0.17	Moderate	1.0-2.0	0.10	0.43			
	29-65	40-50	1.25-1.40	0.00-0.06	0.07-0.10	Moderate	0.5-1.0	0.05	0.37			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
221:												
Cavanaugh-------	0-5	20-25	1.40-1.50	0.60-2.00	0.14-0.17	Moderate	1.0-3.0	0.24	0.32	2	6	48
	5-9	35-50	1.20-1.40	0.06-0.20	0.12-0.16	High	0.6-2.0	0.15	0.28			
	9-21	35-50	1.20-1.40	0.06-0.20	0.08-0.12	Moderate	0.0-0.5	0.10	0.55			
	21-25	---	---	0.00-0.01	---		---	---	---			
Quarz-----------	0-6	20-27	1.10-1.25	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.15	0.49	2	8	---
	6-21	35-55	1.20-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-2.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
Alyan-----------	0-9	27-35	1.10-1.25	0.60-2.00	0.15-0.17	Moderate	2.0-3.0	0.17	0.32	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
233:												
Bioya-----------	0-10	8-18	1.35-1.45	0.60-2.00	0.15-0.21	Low	1.0-2.0	0.55	0.55	2	5	56
	10-36	18-27	1.50-1.60	0.60-2.00	0.16-0.21	Moderate	0.5-1.0	0.37	0.37			
	36-60	---	---	0.00-0.01	---		---	---	---			
Bilbo-----------	0-5	15-25	1.25-1.40	0.60-2.00	0.11-0.13	Moderate	1.0-3.0	0.24	0.43	3	6	48
	5-40	35-50	1.25-1.45	0.06-0.20	0.07-0.09	Moderate	0.5-1.0	0.05	0.37			
	40-60	5-15	1.40-1.60	6.00-20.00	0.03-0.06	Low	0.5-1.0	0.05	0.20			
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.19-0.21	Low	1.0-2.0	0.55	0.55	1	5	56
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-40	---	---	0.00-0.01	---		---	---	---			
234:												
Bioya-----------	0-10	8-18	1.35-1.45	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.55	0.55	2	3	86
	10-36	18-27	1.50-1.60	0.60-2.00	0.16-0.21	Moderate	0.5-1.0	0.37	0.37			
	36-60	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Shabliss--------	0-10	5-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.7-2.0	0.37	0.43	2	3	86
	10-16	---	---	0.00-0.01	---		---	---	---			
	16-35	5-18	1.50-1.70	0.60-2.00	0.14-0.17	Low	0.0-0.5	0.37	0.43			
	35-60	5-15	1.55-1.75	6.00-20.00	0.03-0.07	Low	0.0-0.5	0.05	0.17			
Puett-----------	0-3	5-15	1.30-1.50	2.00-6.00	0.08-0.12	Low	0.5-1.0	0.15	0.17	2	4	86
	3-10	5-10	1.35-1.55	2.00-6.00	0.08-0.15	Low	0.0-0.5	0.15	0.24			
	10-14	---	---	0.00-0.01	---		---	---	---			
235:												
Bioya-----------	0-10	8-18	1.35-1.45	0.60-2.00	0.15-0.21	Low	1.0-2.0	0.55	0.55	2	5	56
	10-36	18-27	1.50-1.60	0.60-2.00	0.16-0.21	Moderate	0.5-1.0	0.37	0.37			
	36-60	---	---	0.00-0.01	---		---	---	---			
Trunk-----------	0-5	10-20	1.35-1.50	0.60-2.00	0.12-0.15	Low	1.0-2.0	0.24	0.43	2	6	48
	5-23	35-50	1.30-1.45	0.00-0.06	0.10-0.13	High	0.0-0.5	0.20	0.37			
	23-27	---	---	0.00-0.01	---		---	---	---			
Alley-----------	0-7	7-15	1.35-1.45	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.15	0.43	5	6	48
	7-20	20-30	1.40-1.50	0.20-0.60	0.14-0.18	Moderate	0.5-1.0	0.15	0.43			
	20-40	5-10	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.15	0.37			
	40-60	5-10	1.45-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.32			
236:												
Bioya-----------	0-10	8-18	1.35-1.45	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.55	0.55	2	3	86
	10-36	18-27	1.50-1.60	0.60-2.00	0.16-0.21	Moderate	0.5-1.0	0.37	0.37			
	36-60	---	---	0.00-0.01	---		---	---	---			
Wieland---------	0-4	8-22	1.25-1.45	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.49	0.55	5	5	56
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.49	0.64			
Kleckner--------	0-8	15-25	1.10-1.30	0.60-2.00	0.11-0.17	Moderate	2.0-3.0	0.20	0.37	5	7	38
	8-20	35-50	1.25-1.45	0.06-0.20	0.08-0.12	Moderate	1.0-2.0	0.05	0.43			
	20-42	35-50	1.25-1.45	0.06-0.20	0.08-0.14	Moderate	0.5-1.0	0.05	0.37			
	42-60	15-20	1.35-1.55	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.32			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
241:												
Wickahoney------	0-2	20-25	1.40-1.50	0.60-2.00	0.08-0.13	Low	1.0-2.0	0.10	0.32	1	8	---
	2-6	25-35	1.45-1.55	0.20-0.60	0.12-0.14	Moderate	0.5-1.0	0.20	0.43			
	6-14	35-55	1.20-1.40	0.06-0.20	0.08-0.14	High	0.0-0.5	0.10	0.37			
	14-18	---	---	---	---		---	---	---			
Deunah----------	0-9	15-27	1.20-1.40	0.60-2.00	0.15-0.20	Moderate	1.0-2.0	0.43	0.49	2	6	48
	9-26	60-70	1.25-1.45	0.00-0.06	0.12-0.15	High	0.5-1.0	0.20	0.20			
	26-33	---	---	---	---		---	---	---			
Petan----------	0-6	18-27	1.40-1.50	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.10	0.49	1	8	---
	6-19	40-60	1.25-1.40	0.00-0.06	0.08-0.10	Moderate	1.0-2.0	0.10	0.32			
	19-20	---	---	0.00-0.01	---		---	---	---			
	20-30	---	---	0.00-0.01	---		---	---	---			
270:												
Pernty----------	0-5	18-25	1.10-1.25	0.60-2.00	0.09-0.12	Low	2.0-3.0	0.15	0.32	1	7	38
	5-14	25-35	1.15-1.30	0.20-0.60	0.08-0.10	Moderate	0.5-1.0	0.15	0.37			
	14-18	---	---	0.00-0.01	---		---	---	---			
Loncan----------	0-17	18-27	1.10-1.25	0.60-2.00	0.06-0.10	Low	1.0-2.0	0.10	0.37	2	7	38
	17-30	18-27	1.20-1.40	0.60-2.00	0.05-0.10	Low	0.5-1.0	0.10	0.37			
	30-34	---	---	0.00-0.01	---		---	---	---			
Pernty----------	0-5	18-25	1.10-1.25	0.60-2.00	0.09-0.12	Low	2.0-3.0	0.15	0.32	1	7	38
	5-14	25-35	1.15-1.30	0.20-0.60	0.08-0.10	Moderate	0.5-1.0	0.15	0.37			
	14-18	---	---	0.00-0.01	---		---	---	---			
280:												
Humboldt--------	0-12	30-40	1.15-1.25	0.20-2.00	0.19-0.21	Moderate	1.0-3.0	0.37	0.37	5	4L	86
	12-52	35-45	1.05-1.15	0.20-0.60	0.17-0.19	Moderate	0.0-0.5	0.32	0.32			
	52-60	20-35	1.10-1.20	0.20-2.00	0.17-0.19	Moderate	0.0-0.5	0.37	0.37			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
308:												
Akler	0-4	18-25	1.20-1.40	0.60-2.00	0.14-0.16	Moderate	1.0-2.0	0.43	0.43	2	5	56
	4-18	50-60	1.20-1.35	0.06-0.20	0.07-0.11	High	0.5-1.0	0.28	0.32			
	18-22	---	---	0.00-0.01	---		---	---	---			
Pattani	0-14	40-50	1.25-1.40	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.28	3	4	86
	14-37	35-50	1.35-1.50	0.00-0.06	0.15-0.20	High	0.0-1.0	0.28	0.32			
	37-41	---	---	0.00-0.01	---		---	---	---			
Cotant	0-3	18-27	1.10-1.30	0.60-2.00	0.11-0.14	Moderate	1.0-2.0	0.24	0.49	2	6	48
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.0-0.5	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
309:												
Akler	0-4	18-25	1.20-1.40	0.60-2.00	0.14-0.16	Moderate	1.0-2.0	0.43	0.43	2	5	56
	4-18	50-60	1.20-1.35	0.06-0.20	0.07-0.11	High	0.5-1.0	0.28	0.32			
	18-22	---	---	0.00-0.01	---		---	---	---			
Susie Creek	0-10	20-27	1.10-1.30	0.60-2.00	0.15-0.17	Moderate	1.0-3.0	0.32	0.37	5	6	48
	10-30	35-55	1.25-1.45	0.06-0.20	0.15-0.19	High	0.0-0.8	0.28	0.32			
	30-60	18-30	1.30-1.50	0.20-0.60	0.14-0.16	Moderate	0.0-0.5	0.28	0.32			
457:												
Donna	0-10	15-25	1.25-1.35	0.60-2.00	0.18-0.20	Low	1.0-3.0	0.37	0.43	2	6	48
	10-30	60-70	1.15-1.35	0.00-0.06	0.14-0.16	High	0.5-2.0	0.20	0.24			
	30-48	---	---	0.00-0.01	---		---	---	---			
	48-60	15-25	1.45-1.65	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.20	0.32			
Stampede	0-16	20-25	1.30-1.40	0.60-2.00	0.16-0.19	Moderate	1.0-3.0	0.43	0.49	2	6	48
	16-37	40-55	1.20-1.35	0.00-0.06	0.14-0.16	High	0.5-1.0	0.28	0.32			
	37-60	---	---	0.00-0.01	---		---	---	---			
Short Creek	0-8	30-35	1.30-1.45	0.20-0.60	0.18-0.20	Moderate	1.0-2.0	0.24	0.49	5	7	38
	8-23	40-50	1.25-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-1.0	0.15	0.43			
	23-60	30-40	1.30-1.50	0.20-0.60	0.05-0.07	Moderate	0.0-0.5	0.10	0.37			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
458:												
Donna	0-10	15-25	1.25-1.35	0.60-2.00	0.18-0.20	Low	1.0-3.0	0.37	0.43	2	6	48
	10-30	60-70	1.15-1.35	0.00-0.06	0.14-0.16	High	0.5-2.0	0.20	0.24			
	30-48	---	---	0.00-0.01	---		---	---	---			
	48-60	15-25	1.45-1.65	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.20	0.32			
Stampede	0-16	20-25	1.30-1.40	0.60-2.00	0.16-0.19	Moderate	1.0-3.0	0.43	0.49	2	6	48
	16-37	40-55	1.20-1.35	0.00-0.06	0.14-0.16	High	0.5-1.0	0.28	0.32			
	37-60	---	---	0.00-0.01	---		---	---	---			
464:												
Stampede	0-16	18-27	1.25-1.40	0.60-2.00	0.17-0.20	Moderate	1.0-3.0	0.43	0.49	2	5	56
	16-37	40-55	1.20-1.35	0.00-0.06	0.14-0.16	High	0.5-1.0	0.28	0.32			
	37-60	---	---	0.00-0.01	---		---	---	---			
570:												
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Cleavage	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
Hapgood	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
571:												
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Tusel	0-17	10-20	1.20-1.40	0.60-2.00	0.09-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
Gando	0-9	10-18	1.25-1.40	0.60-2.00	0.09-0.11	Low	1.0-2.0	0.10	0.32	1	7	38
	9-17	10-18	1.30-1.50	0.60-2.00	0.05-0.09	Low	0.0-0.5	0.05	0.28			
	17-21	---	---	0.00-0.01	---		---	---	---			
572:												
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Reluctan	0-9	14-18	1.30-1.45	0.60-2.00	0.12-0.14	Low	2.0-4.0	0.28	0.49	2	6	48
	9-27	25-35	1.40-1.60	0.20-0.60	0.12-0.17	Moderate	0.5-2.0	0.32	0.43			
	27-37	---	---	0.00-0.01	---		---	---	---			
Cleavage	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
576:												
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Hapgood	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
Cleavage	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
577:												
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Hapgood	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
Chen	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
578:												
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Tusel	0-17	10-20	1.20-1.40	0.60-2.00	0.09-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
Hapgood	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
579:												
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Pernty	0-5	20-25	1.10-1.25	0.60-2.00	0.07-0.08	Low	2.0-3.0	0.15	0.55	1	8	---
	5-14	25-35	1.15-1.30	0.20-0.60	0.08-0.10	Moderate	1.0-2.0	0.15	0.49			
	14-18	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Tusel----------	0-17	10-20	1.20-1.40	0.60-2.00	0.13-0.15	Low	2.0-5.0	0.15	0.43	3	7	38
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
580:												
Sumine----------	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Pie Creek-------	0-5	15-25	1.10-1.25	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.10	0.55	2	7	38
	5-23	60-70	1.15-1.30	0.00-0.06	0.14-0.16	High	1.0-2.0	0.20	0.20			
	23-27	---	---	0.00-0.01	---		---	---	---			
Reluctan--------	0-9	15-22	1.15-1.35	0.60-2.00	0.11-0.14	Low	2.0-4.0	0.24	0.43	2	6	48
	9-27	25-35	1.35-1.55	0.20-0.60	0.12-0.15	Moderate	0.5-2.0	0.24	0.43			
	27-31	---	---	0.00-0.01	---		---	---	---			
581:												
Sumine----------	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Hapgood---------	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
Cleavage--------	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
582:												
Sumine----------	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Tusel----------	0-17	10-20	1.20-1.40	0.60-2.00	0.13-0.15	Low	2.0-5.0	0.15	0.43	3	7	38
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
Cleavage--------	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
583:												
Sumine----------	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Hapgood---------	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
Pernty----------	0-5	18-25	1.10-1.25	0.60-2.00	0.09-0.12	Low	2.0-3.0	0.15	0.32	1	7	38
	5-14	25-35	1.15-1.30	0.20-0.60	0.08-0.10	Moderate	0.5-1.0	0.15	0.37			
	14-18	---	---	0.00-0.01	---		---	---	---			
584:												
Sumine----------	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Tusel----------	0-17	10-20	1.20-1.40	0.60-2.00	0.13-0.15	Low	2.0-5.0	0.15	0.43	3	7	38
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
Hapgood---------	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
585:												
Rock Outcrop.												
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Rubble Land	0-60	---	1.70-2.35	>20.00	0.00-0.10	Low	0.0-0.1	---	---	---	8	---
586:												
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Loncan	0-17	18-27	1.10-1.25	0.60-2.00	0.06-0.10	Low	1.0-2.0	0.10	0.37	2	7	38
	17-30	18-27	1.20-1.40	0.60-2.00	0.05-0.10	Low	0.5-1.0	0.10	0.37			
	30-34	---	---	0.00-0.01	---		---	---	---			
Cleavage	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
600:												
Hapgood	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
Bullump	0-12	15-25	1.10-1.20	0.60-2.00	0.08-0.12	Low	2.0-6.0	0.15	0.43	3	7	38
	12-46	25-35	1.35-1.45	0.20-0.60	0.09-0.14	Low	0.5-3.0	0.10	0.32			
	46-50	---	---	0.00-0.01	---		---	---	---			
Gando	0-9	10-18	1.25-1.40	0.60-2.00	0.09-0.11	Low	1.0-2.0	0.10	0.32	1	7	38
	9-17	10-18	1.30-1.50	0.60-2.00	0.05-0.09	Low	0.0-0.5	0.05	0.28			
	17-21	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
601:												
Hapgood---------	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
Blitzen---------	0-10	20-27	1.10-1.25	0.60-2.00	0.08-0.11	Low	1.0-3.0	0.15	0.49	3	8	---
	10-33	35-60	1.20-1.40	0.06-0.20	0.06-0.08	Moderate	1.0-2.0	0.10	0.32			
	33-37	---	---	0.00-0.01	---		---	---	---			
Tusel-----------	0-17	10-20	1.20-1.40	0.60-2.00	0.09-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
602:												
Hapgood---------	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
Hackwood--------	0-26	10-27	1.10-1.25	0.60-2.00	0.16-0.21	Moderate	2.0-4.0	0.37	0.43	5	6	48
	26-34	15-27	1.25-1.35	0.60-2.00	0.10-0.17	Moderate	1.0-2.0	0.28	0.49			
	34-60	25-35	1.35-1.45	0.60-2.00	0.08-0.14	Moderate	0.5-1.0	0.15	0.43			
Tusel-----------	0-17	10-20	1.20-1.40	0.60-2.00	0.09-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
623:												
Rock Outcrop.												
Soughe----------	0-10	10-20	1.35-1.50	0.60-2.00	0.09-0.12	Low	1.0-2.0	0.15	0.55	1	7	38
	10-19	25-35	1.30-1.50	0.20-0.60	0.08-0.11	Moderate	0.5-1.0	0.15	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
624:												
Rock Outcrop.												
Soughe----------	0-13	10-20	1.35-1.50	0.60-2.00	0.09-0.12	Low	1.0-2.0	0.15	0.55	1	7	38
	13-20	25-35	1.30-1.50	0.20-0.60	0.08-0.11	Moderate	0.5-1.0	0.15	0.37			
	20-24	---	---	0.00-0.01	---		---	---	---			
Soughe----------	0-13	10-20	1.35-1.50	0.60-2.00	0.09-0.12	Low	1.0-2.0	0.15	0.55	1	7	38
	13-20	25-35	1.30-1.50	0.20-0.60	0.08-0.11	Moderate	0.5-1.0	0.15	0.37			
	20-24	---	---	0.00-0.01	---		---	---	---			
625:												
Soughe----------	0-13	10-20	1.35-1.50	0.60-2.00	0.09-0.12	Low	1.0-2.0	0.15	0.55	1	7	38
	13-20	25-35	1.30-1.50	0.20-0.60	0.08-0.11	Moderate	0.5-1.0	0.15	0.37			
	20-24	---	---	0.00-0.01	---		---	---	---			
Alyan----------	0-9	18-27	1.10-1.25	0.60-2.00	0.07-0.10	Low	2.0-3.0	0.10	0.32	2	8	---
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-42	---	---	0.00-0.01	---		---	---	---			
Shalper---------	0-2	18-26	1.25-1.45	0.60-2.00	0.10-0.12	Low	2.0-4.0	0.10	0.32	1	7	38
	2-11	24-35	1.30-1.50	0.20-0.60	0.06-0.15	Low	1.0-2.0	0.10	0.37			
	11-15	---	---	0.00-0.01	---		---	---	---			
626:												
Soughe----------	0-13	10-20	1.35-1.50	0.60-2.00	0.11-0.13	Low	1.0-2.0	0.24	0.49	1	6	48
	13-20	25-35	1.30-1.50	0.20-0.60	0.08-0.11	Moderate	0.5-1.0	0.15	0.37			
	20-24	---	---	0.00-0.01	---		---	---	---			
Vanwyper--------	0-10	18-25	1.10-1.25	0.60-2.00	0.12-0.14	Moderate	1.0-2.0	0.20	0.32	2	6	48
	10-25	35-55	1.30-1.50	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.10	0.43			
	25-29	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Soughe	0-13	10-20	1.35-1.50	0.60-2.00	0.09-0.12	Low	1.0-2.0	0.15	0.55	1	7	38
	13-20	25-35	1.30-1.50	0.20-0.60	0.08-0.11	Moderate	0.5-1.0	0.15	0.37			
	20-24	---	---	0.00-0.01	---		---	---	---			
690:												
Welch	0-10	15-20	1.25-1.40	0.60-2.00	0.16-0.18	Low	2.0-4.0	0.32	0.32	5	5	56
	10-60	27-35	1.30-1.45	0.20-0.60	0.16-0.21	Moderate	0.5-4.0	0.28	0.32			
Welch	0-10	15-20	1.25-1.40	0.60-2.00	0.16-0.18	Low	2.0-4.0	0.32	0.32	5	8	---
	10-60	27-35	1.30-1.45	0.20-0.60	0.16-0.21	Moderate	0.5-3.0	0.28	0.55			
920:												
Bullump	0-12	15-25	1.10-1.20	0.60-2.00	0.08-0.12	Low	2.0-6.0	0.15	0.43	3	7	38
	12-46	25-35	1.35-1.45	0.20-0.60	0.09-0.14	Low	0.5-3.0	0.10	0.32			
	46-50	---	---	0.00-0.01	---		---	---	---			
Gando	0-9	10-18	1.25-1.40	0.60-2.00	0.09-0.11	Low	1.0-2.0	0.10	0.32	1	7	38
	9-17	10-18	1.30-1.50	0.60-2.00	0.05-0.09	Low	0.0-0.5	0.05	0.28			
	17-21	---	---	0.00-0.01	---		---	---	---			
Tusel	0-17	10-20	1.20-1.40	0.60-2.00	0.09-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
921:												
Bullump	0-12	15-25	1.10-1.20	0.60-2.00	0.08-0.12	Low	2.0-6.0	0.15	0.43	3	7	38
	12-46	25-35	1.35-1.45	0.20-0.60	0.09-0.14	Low	0.5-3.0	0.10	0.32			
	46-50	---	---	0.00-0.01	---		---	---	---			
Hackwood	0-26	10-27	1.10-1.25	0.60-2.00	0.16-0.21	Moderate	2.0-4.0	0.37	0.43	5	6	48
	26-34	15-27	1.25-1.35	0.60-2.00	0.10-0.17	Moderate	1.0-2.0	0.28	0.49			
	34-60	25-35	1.35-1.45	0.60-2.00	0.08-0.14	Moderate	0.5-1.0	0.15	0.43			
Cleavage	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
922:												
Bullump	0-12	15-25	1.10-1.20	0.60-2.00	0.08-0.12	Low	2.0-6.0	0.15	0.43	3	7	38
	12-46	25-35	1.35-1.45	0.20-0.60	0.09-0.14	Low	0.5-3.0	0.10	0.32			
	46-50	---	---	0.00-0.01	---		---	---	---			
Cleavage	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
Hapgood	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
1130:												
Clementine	0-3	15-25	1.00-1.15	0.60-2.00	0.19-0.21	Moderate	3.0-5.0	0.49	0.49	5	5	56
	3-44	25-35	1.15-1.35	0.20-0.60	0.19-0.21	Moderate	1.0-4.0	0.43	0.43			
	44-60	25-33	1.25-1.45	0.20-0.60	0.19-0.21	Moderate	0.0-0.6	0.32	0.32			
1131:												
Clementine	0-3	15-25	1.00-1.15	0.60-2.00	0.19-0.21	Moderate	3.0-5.0	0.49	0.49	5	5	56
	3-44	25-35	1.15-1.35	0.20-0.60	0.19-0.21	Moderate	1.0-4.0	0.43	0.43			
	44-60	25-33	1.25-1.45	0.20-0.60	0.19-0.21	Moderate	0.0-0.6	0.32	0.32			
Clementine	0-3	15-25	1.00-1.15	0.60-2.00	0.19-0.21	Moderate	3.0-5.0	0.49	0.49	5	5	56
	3-44	25-35	1.15-1.35	0.20-0.60	0.19-0.21	Moderate	1.0-4.0	0.43	0.43			
	44-60	25-33	1.25-1.45	0.20-0.60	0.19-0.21	Moderate	0.0-0.6	0.32	0.32			
Clementine	0-3	15-25	1.00-1.15	0.60-2.00	0.19-0.21	Moderate	3.0-5.0	0.49	0.49	5	5	56
	3-44	25-35	1.15-1.35	0.20-0.60	0.19-0.21	Moderate	1.0-4.0	0.43	0.43			
	44-60	25-33	1.25-1.45	0.20-0.60	0.19-0.21	Moderate	0.0-0.6	0.32	0.32			
1135:												
Clementine	0-3	15-25	1.00-1.15	0.60-2.00	0.19-0.21	Moderate	3.0-5.0	0.49	0.49	5	5	56
	3-44	25-35	1.15-1.35	0.20-0.60	0.19-0.21	Moderate	1.0-4.0	0.43	0.43			
	44-60	25-33	1.25-1.45	0.20-0.60	0.19-0.21	Moderate	0.0-0.6	0.32	0.32			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Clurde----------	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
1150:												
Clurde----------	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
Wieland---------	0-4	18-27	1.15-1.30	0.60-2.00	0.10-0.15	Low	1.0-2.0	0.32	0.43	5	6	48
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.32	0.32			
1155:												
Clurde----------	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
1156:												
Clurde----------	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
Kortty----------	0-6	8-15	1.30-1.50	0.60-2.00	0.16-0.21	Low	0.0-0.5	0.43	0.49	4	5	56
	6-12	25-35	1.35-1.55	0.20-0.60	0.15-0.20	Moderate	0.0-0.5	0.32	0.37			
	12-42	15-25	1.55-1.75	0.60-2.00	0.15-0.20	Moderate	0.0-0.5	0.24	0.49			
	42-55	10-20	1.55-1.75	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.10	0.32			
	55-60	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1157:												
Clurde	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
Zevadez	0-10	10-20	1.30-1.50	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	10-26	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	26-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
Chiara	0-6	10-18	1.25-1.40	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.55	0.55	1	3	86
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-40	---	---	0.00-0.01	---		---	---	---			
1190:												
Cherry Spring	0-8	10-15	1.30-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.55	0.55	2	3	86
	8-23	20-35	1.35-1.55	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.49	0.55			
	23-45	---	---	0.00-0.01	---		---	---	---			
Enko	0-8	10-18	1.35-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	8-15	10-18	1.40-1.50	2.00-6.00	0.12-0.17	Low	0.8-2.0	0.43	0.49			
	15-38	10-18	1.65-1.70	0.06-0.20	0.10-0.13	Low	0.0-0.5	0.37	0.43			
	38-60	10-18	1.40-1.50	0.60-2.00	0.12-0.17	Low	0.0-0.5	0.43	0.49			
1191:												
Cherry Spring	0-8	10-20	1.40-1.55	0.60-2.00	0.10-0.15	Low	1.0-2.0	0.24	0.43	2	6	48
	8-23	20-35	1.35-1.55	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.49	0.55			
	23-45	---	---	0.00-0.01	---		---	---	---			
Wieland	0-4	18-27	1.15-1.30	0.60-2.00	0.10-0.15	Low	1.0-2.0	0.32	0.43	5	6	48
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.32	0.32			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1193:												
Cherry Spring---	0-8	10-15	1.35-1.50	0.60-2.00	0.19-0.21	Low	1.0-2.0	0.55	0.55	2	5	56
	8-23	20-35	1.35-1.55	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.49	0.55			
	23-45	---	---	0.00-0.01	---		---	---	---			
Hunnton---------	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.19-0.21	Low	1.0-2.0	0.55	0.55	1	5	56
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-40	---	---	0.00-0.01	---		---	---	---			
1210:												
Skull Creek-----	0-6	8-18	1.30-1.50	0.60-2.00	0.14-0.17	Low	0.8-2.0	0.37	0.43	2	3	86
	6-34	8-18	1.35-1.55	0.60-2.00	0.10-0.16	Low	0.0-0.5	0.28	0.43			
	34-38	---	---	0.00-0.01	---		---	---	---			
Shabliss--------	0-10	5-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.7-2.0	0.37	0.43	2	3	86
	10-16	---	---	0.00-0.01	---		---	---	---			
	16-35	5-18	1.50-1.70	0.60-2.00	0.14-0.17	Low	0.0-0.5	0.37	0.43			
	35-60	5-15	1.55-1.75	6.00-20.00	0.03-0.07	Low	0.0-0.5	0.05	0.17			
Puett-----------	0-3	5-10	1.30-1.50	2.00-6.00	0.13-0.15	Low	0.5-1.0	0.28	0.32	2	3	86
	3-10	5-10	1.35-1.55	2.00-6.00	0.13-0.15	Low	0.0-0.5	0.28	0.32			
	10-14	---	---	0.00-0.01	---		---	---	---			
1220:												
Hunnton---------	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Hunnton---------	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Fulstone--------	0-5	10-20	1.35-1.50	0.60-2.00	0.09-0.12	Low	1.0-2.0	0.28	0.43	1	7	38
	5-17	45-60	1.20-1.35	0.06-0.20	0.12-0.16	High	0.5-1.0	0.17	0.37			
	17-40	---	---	0.00-0.02	---		---	---	---			
1221:												
Hunnton---------	0-3	20-27	1.10-1.25	0.60-2.00	0.09-0.12	Moderate	1.0-2.0	0.43	0.43	2	7	38
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Hunnton---------	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Fulstone--------	0-5	18-25	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.20	0.32	1	6	48
	5-17	45-60	1.20-1.35	0.06-0.20	0.12-0.16	High	0.5-1.0	0.17	0.37			
	17-40	---	---	0.00-0.02	---		---	---	---			
1223:												
Hunnton---------	0-3	20-27	1.10-1.25	0.60-2.00	0.09-0.12	Moderate	1.0-2.0	0.43	0.43	2	7	38
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Shabliss--------	0-10	5-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.7-2.0	0.37	0.43	2	3	86
	10-16	---	---	0.00-0.01	---		---	---	---			
	16-35	5-18	1.50-1.70	0.60-2.00	0.14-0.17	Low	0.0-0.5	0.37	0.43			
	35-60	5-15	1.55-1.75	6.00-20.00	0.03-0.07	Low	0.0-0.5	0.05	0.17			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Puett----------	0-3	4-10	1.40-1.60	6.00-20.00	0.04-0.07	Low	0.5-1.0	0.10	0.24	2	4	86
	3-10	8-15	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-1.0	0.28	0.32			
	10-20	---	---	0.00-0.01	---		---	---	---			
1224:												
Hunnton---------	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Trunk----------	0-5	15-27	1.30-1.45	0.60-2.00	0.08-0.10	Low	1.0-2.0	0.10	0.37	2	8	---
	5-23	35-50	1.30-1.45	0.00-0.06	0.10-0.13	High	0.5-2.0	0.20	0.37			
	23-27	---	---	0.00-0.01	---		---	---	---			
Shabliss--------	0-10	7-15	1.35-1.50	0.60-2.00	0.10-0.14	Low	0.8-2.0	0.17	0.32	2	5	56
	10-16	---	---	0.00-0.01	---		---	---	---			
	16-35	5-18	1.50-1.70	0.60-2.00	0.14-0.17	Low	0.0-0.5	0.37	0.43			
	35-60	5-15	1.55-1.75	6.00-20.00	0.03-0.07	Low	0.0-0.5	0.05	0.17			
1226:												
Hunnton---------	0-3	20-27	1.10-1.25	0.60-2.00	0.09-0.12	Moderate	1.0-2.0	0.43	0.43	2	7	38
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Wieland---------	0-4	18-27	1.15-1.30	0.60-2.00	0.10-0.15	Low	1.0-2.0	0.32	0.43	5	6	48
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.32	0.32			
Clementine------	0-3	15-25	1.00-1.15	0.60-2.00	0.19-0.21	Moderate	3.0-5.0	0.49	0.49	5	5	56
	3-44	25-35	1.15-1.35	0.20-0.60	0.19-0.21	Moderate	1.0-4.0	0.43	0.43			
	44-60	25-33	1.25-1.45	0.20-0.60	0.19-0.21	Moderate	0.0-0.6	0.32	0.32			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1227:												
Hunnton	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Chiara	0-6	10-18	1.25-1.40	0.60-2.00	0.19-0.21	Low	1.0-2.0	0.55	0.55	1	5	56
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-40	---	---	0.00-0.01	---		---	---	---			
Bilbo	0-5	15-25	1.25-1.40	0.60-2.00	0.11-0.13	Moderate	1.0-3.0	0.24	0.43	3	6	48
	5-40	35-50	1.25-1.45	0.06-0.20	0.07-0.09	Moderate	0.0-1.0	0.05	0.37			
	40-60	5-15	1.40-1.60	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.05	0.20			
1228:												
Hunnton	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Hunnton	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
1229:												
Hunnton	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-44	---	---	0.00-0.01	---		---	---	---			
Chiara	0-6	10-18	1.25-1.40	0.60-2.00	0.19-0.21	Low	1.0-2.0	0.55	0.55	1	5	56
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-40	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Wieland---------	0-4	8-18	1.20-1.40	0.60-2.00	0.16-0.20	Low	1.0-2.0	0.55	0.55	5	5	56
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.49	0.64			
1230:												
Fulstone--------	0-5	18-25	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.20	0.32	1	6	48
	5-17	45-60	1.20-1.35	0.06-0.20	0.12-0.16	High	0.5-1.0	0.17	0.37			
	17-40	---	---	0.00-0.02	---		---	---	---			
Hunnton---------	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
1231:												
Fulstone--------	0-5	18-25	1.15-1.35	0.60-2.00	0.10-0.12	Moderate	1.0-2.0	0.15	0.64	1	7	38
	5-17	45-60	1.20-1.35	0.06-0.20	0.12-0.16	High	0.5-1.0	0.17	0.37			
	17-40	---	---	0.00-0.02	---		---	---	---			
Fulstone--------	0-5	18-25	1.15-1.35	0.60-2.00	0.10-0.12	Moderate	1.0-2.0	0.15	0.64	1	7	38
	5-17	45-60	1.20-1.35	0.06-0.20	0.12-0.16	High	0.5-1.0	0.17	0.37			
	17-40	---	---	0.00-0.02	---		---	---	---			
Hunnton---------	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
1232:												
Fulstone--------	0-5	18-25	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.20	0.32	1	6	48
	5-17	45-60	1.20-1.35	0.06-0.20	0.12-0.16	High	0.5-1.0	0.17	0.37			
	17-40	---	---	0.00-0.02	---		---	---	---			
Fulstone--------	0-5	10-20	1.35-1.50	0.60-2.00	0.09-0.12	Low	1.0-2.0	0.28	0.43	1	7	38
	5-17	45-60	1.20-1.35	0.06-0.20	0.12-0.16	High	0.5-1.0	0.17	0.37			
	17-40	---	---	0.00-0.02	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Wieland---------	0-4	8-22	1.25-1.45	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.49	0.55	5	5	56
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.49	0.64			
1241:												
Enko------------	0-8	10-18	1.35-1.45	2.00-6.00	0.11-0.15	Low	1.0-2.0	0.43	0.49	5	3	86
	8-15	10-18	1.40-1.50	2.00-6.00	0.12-0.17	Low	0.5-1.0	0.43	0.49			
	15-38	10-18	1.65-1.70	0.06-0.20	0.10-0.13	Low	0.0-0.5	0.37	0.43			
	38-60	10-18	1.40-1.50	0.60-2.00	0.12-0.17	Low	0.0-0.5	0.43	0.49			
Shabliss--------	0-10	5-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.7-2.0	0.37	0.43	2	3	86
	10-16	---	---	0.00-0.01	---		---	---	---			
	16-35	5-18	1.50-1.70	0.60-2.00	0.14-0.17	Low	0.0-0.5	0.37	0.43			
	35-60	5-15	1.55-1.75	6.00-20.00	0.03-0.07	Low	0.0-0.5	0.05	0.17			
Orovada---------	0-5	10-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.9-2.0	0.49	0.49	5	3	86
	5-29	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.49			
	29-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			
1242:												
Enko------------	0-8	10-18	1.35-1.45	2.00-6.00	0.11-0.15	Low	1.0-2.0	0.43	0.49	5	3	86
	8-15	10-18	1.40-1.50	2.00-6.00	0.12-0.17	Low	0.5-1.0	0.43	0.49			
	15-38	10-18	1.65-1.70	0.06-0.20	0.10-0.13	Low	0.0-0.5	0.37	0.43			
	38-60	10-18	1.40-1.50	0.60-2.00	0.12-0.17	Low	0.0-0.5	0.43	0.49			
Enko------------	0-8	10-18	1.35-1.45	2.00-6.00	0.11-0.15	Low	1.0-2.0	0.43	0.49	5	3	86
	8-15	10-18	1.40-1.50	2.00-6.00	0.12-0.17	Low	0.5-1.0	0.43	0.49			
	15-38	10-18	1.65-1.70	0.06-0.20	0.10-0.13	Low	0.0-0.5	0.37	0.43			
	38-60	10-18	1.40-1.50	0.60-2.00	0.12-0.17	Low	0.0-0.5	0.43	0.49			
1260:												
Kleckner--------	0-8	15-25	1.10-1.30	0.60-2.00	0.11-0.17	Moderate	2.0-3.0	0.20	0.37	5	7	38
	8-20	35-50	1.25-1.45	0.06-0.20	0.08-0.12	Moderate	1.0-2.0	0.05	0.43			
	20-42	35-50	1.25-1.45	0.06-0.20	0.08-0.14	Moderate	0.5-1.0	0.05	0.37			
	42-60	15-20	1.35-1.55	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.32			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Upville---------	0-10	15-22	1.30-1.35	0.60-2.00	0.13-0.15	Moderate	2.0-4.0	0.20	0.32	2	6	48
	10-19	15-27	1.40-1.45	0.60-2.00	0.06-0.14	Low	1.0-2.0	0.15	0.37			
	19-61	0-5	1.45-1.50	6.00-20.00	0.03-0.05	Low	0.5-1.0	0.02	0.20			
Fulstone--------	0-5	18-25	1.15-1.35	0.60-2.00	0.10-0.12	Moderate	1.0-2.0	0.15	0.64	1	7	38
	5-17	45-60	1.20-1.35	0.06-0.20	0.12-0.16	High	0.5-1.0	0.17	0.37			
	17-40	---	---	0.00-0.02	---		---	---	---			
1261:												
Kleckner--------	0-8	15-25	1.10-1.30	0.60-2.00	0.11-0.17	Moderate	2.0-3.0	0.20	0.37	5	7	38
	8-20	35-50	1.25-1.45	0.06-0.20	0.08-0.12	Moderate	1.0-2.0	0.05	0.43			
	20-42	35-50	1.25-1.45	0.06-0.20	0.08-0.14	Moderate	0.5-1.0	0.05	0.37			
	42-60	15-20	1.35-1.55	2.00-6.00	0.04-0.06	Low	0.0-0.5	0.05	0.32			
Heechee---------	0-7	15-27	1.15-1.25	0.60-2.00	0.12-0.15	Low	2.0-4.0	0.20	0.37	5	6	48
	7-27	25-35	1.30-1.45	0.20-0.60	0.06-0.14	Low	1.0-2.0	0.10	0.49			
	27-61	10-25	1.40-1.60	6.00-20.00	0.02-0.06	Low	0.0-1.0	0.05	0.49			
1290:												
Tweba-----------	0-15	10-20	1.30-1.50	0.60-2.00	0.15-0.17	Low	2.0-4.0	0.49	0.49	5	3	86
	15-27	10-15	1.30-1.50	0.60-2.00	0.10-0.15	Low	0.5-2.0	0.43	0.43			
	27-60	5-10	1.45-1.65	0.60-2.00	0.08-0.12	Low	0.0-1.0	0.37	0.37			
1350:												
Shabliss--------	0-10	7-15	1.35-1.50	0.60-2.00	0.10-0.14	Low	0.8-2.0	0.17	0.32	2	5	56
	10-16	---	---	0.00-0.01	---		---	---	---			
	16-35	5-18	1.50-1.70	0.60-2.00	0.14-0.17	Low	0.0-0.5	0.37	0.43			
	35-60	5-15	1.55-1.75	6.00-20.00	0.03-0.07	Low	0.0-0.5	0.05	0.17			
Hunnton---------	0-3	20-27	1.10-1.25	0.60-2.00	0.09-0.12	Moderate	1.0-2.0	0.43	0.43	2	7	38
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Bioya----------	0-10	8-18	1.35-1.45	0.60-2.00	0.15-0.21	Low	1.0-2.0	0.55	0.55	2	5	56
	10-36	18-27	1.50-1.60	0.60-2.00	0.16-0.21	Moderate	0.5-1.0	0.37	0.37			
	36-60	---	---	0.00-0.01	---		---	---	---			
1351:												
Shabliss--------	0-10	5-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.7-2.0	0.37	0.43	2	3	86
	10-16	---	---	0.00-0.01	---		---	---	---			
	16-35	5-18	1.50-1.70	0.60-2.00	0.14-0.17	Low	0.0-0.5	0.37	0.43			
	35-60	5-15	1.55-1.75	6.00-20.00	0.03-0.07	Low	0.0-0.5	0.05	0.17			
Bartome---------	0-7	12-20	1.20-1.40	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.28	0.28	1	3	86
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			
1352:												
Shabliss--------	0-10	5-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.7-2.0	0.37	0.43	2	3	86
	10-16	---	---	0.00-0.01	---		---	---	---			
	16-35	5-18	1.50-1.70	0.60-2.00	0.14-0.17	Low	0.0-0.5	0.37	0.43			
	35-60	5-15	1.55-1.75	6.00-20.00	0.03-0.07	Low	0.0-0.5	0.05	0.17			
Skull Creek-----	0-6	8-18	1.30-1.50	0.60-2.00	0.14-0.17	Low	0.8-2.0	0.37	0.43	2	3	86
	6-34	8-18	1.35-1.55	0.60-2.00	0.10-0.16	Low	0.0-0.5	0.28	0.43			
	34-38	---	---	0.00-0.01	---		---	---	---			
Puett----------	0-3	8-15	1.30-1.50	2.00-6.00	0.08-0.10	Low	0.5-1.0	0.20	0.32	2	5	56
	3-10	8-15	1.35-1.55	2.00-6.00	0.10-0.13	Low	0.0-1.0	0.28	0.32			
	10-20	---	---	0.00-0.01	---		---	---	---			
1360:												
Orovada---------	0-5	10-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.9-2.0	0.49	0.49	5	3	86
	5-29	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.43			
	29-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1362:												
Orovada	0-5	10-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.9-2.0	0.49	0.49	5	3	86
	5-29	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.49			
	29-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			
Clurde	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
Wieland	0-4	8-22	1.25-1.45	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.49	0.55	5	5	56
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.49	0.64			
1363:												
Orovada	0-5	10-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.9-2.0	0.49	0.49	5	3	86
	5-29	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.43			
	29-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			
Tweba	0-5	10-20	1.35-1.55	0.60-2.00	0.11-0.13	Low	2.0-4.0	0.24	0.24	5	3	86
	5-35	10-15	1.30-1.50	0.60-2.00	0.10-0.15	Low	0.5-2.0	0.43	0.43			
	35-60	5-10	1.45-1.65	0.60-2.00	0.08-0.12	Low	0.0-0.5	0.37	0.37			
Weso	0-6	5-18	1.40-1.55	0.60-2.00	0.13-0.15	Low	0.0-0.5	0.49	0.49	4	3	86
	6-12	5-20	1.40-1.55	0.60-2.00	0.13-0.18	Low	0.0-0.5	0.49	0.55			
	12-25	4-15	1.55-1.70	0.60-2.00	0.13-0.17	Low	0.0-0.5	0.49	0.55			
	25-60	4-12	1.45-1.65	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.43			
1530:												
Creemon	0-8	5-10	1.35-1.45	0.60-2.00	0.19-0.21	Low	0.0-0.5	0.55	0.55	5	5	56
	8-14	8-18	1.35-1.45	0.60-2.00	0.15-0.21	Low	0.0-0.5	0.55	0.55			
	14-47	8-18	1.35-1.45	0.60-2.00	0.17-0.20	Low	0.0-0.5	0.55	0.55			
	47-60	5-10	1.30-1.40	2.00-6.00	0.13-0.16	Low	0.0-0.5	0.28	0.37			
Placeritos	0-13	18-27	1.25-1.40	0.60-2.00	0.18-0.20	Moderate	1.0-2.0	0.37	0.37	5	4L	86
	13-60	18-27	1.25-1.45	0.60-2.00	0.18-0.20	Moderate	0.5-2.0	0.43	0.43			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1572:												
Weso	0-6	5-18	1.40-1.55	0.60-2.00	0.13-0.15	Low	0.0-0.5	0.49	0.49	4	3	86
	6-12	5-20	1.40-1.55	0.60-2.00	0.13-0.18	Low	0.0-0.5	0.49	0.55			
	12-25	4-15	1.55-1.70	0.60-2.00	0.13-0.17	Low	0.0-0.5	0.49	0.55			
	25-60	4-12	1.45-1.65	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.43			
Orovada	0-5	10-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.9-2.0	0.49	0.49	5	3	86
	5-29	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.49			
	29-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			
Shabliss	0-10	5-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.7-2.0	0.37	0.43	2	3	86
	10-16	---	---	0.00-0.01	---		---	---	---			
	16-35	5-18	1.50-1.70	0.60-2.00	0.14-0.17	Low	0.0-0.5	0.37	0.43			
	35-60	5-15	1.55-1.75	6.00-20.00	0.03-0.07	Low	0.0-0.5	0.05	0.17			
1573:												
Weso	0-6	5-18	1.40-1.55	0.60-2.00	0.13-0.15	Low	0.0-0.5	0.49	0.49	4	3	86
	6-12	5-20	1.40-1.55	0.60-2.00	0.13-0.18	Low	0.0-0.5	0.49	0.55			
	12-25	4-15	1.55-1.70	0.60-2.00	0.13-0.17	Low	0.0-0.5	0.49	0.55			
	25-60	4-12	1.45-1.65	2.00-6.00	0.11-0.13	Low	0.0-0.5	0.28	0.43			
Orovada	0-5	10-15	1.35-1.50	0.60-2.00	0.18-0.20	Low	0.9-2.0	0.49	0.49	5	5	56
	5-29	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.49			
	29-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			
Tweba	0-5	10-20	1.35-1.55	0.60-2.00	0.11-0.13	Low	2.0-4.0	0.24	0.24	5	3	86
	5-35	10-15	1.30-1.50	0.60-2.00	0.10-0.15	Low	0.5-2.0	0.43	0.43			
	35-60	5-10	1.45-1.65	0.60-2.00	0.08-0.12	Low	0.0-0.5	0.37	0.37			
1617:												
Cleavage	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Hapgood---------	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
Tweener---------	0-5	15-20	1.25-1.45	2.00-6.00	0.05-0.09	Low	1.0-2.0	0.05	0.24	1	5	56
	5-8	25-40	1.30-1.50	0.20-0.60	0.07-0.12	Low	1.0-2.0	0.10	0.49			
	8-18	---	---	0.00-0.01	---		---	---	---			
1618:												
Cleavage--------	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
Sumine----------	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Pequop----------	0-12	12-23	1.25-1.45	0.60-2.00	0.10-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	12-50	20-35	1.40-1.60	0.60-2.00	0.07-0.08	Low	1.0-3.0	0.05	0.37			
	50-60	15-25	1.35-1.55	0.60-2.00	0.06-0.07	Low	0.5-1.0	0.05	0.43			
1619:												
Cleavage--------	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
Tusk------------	0-14	10-27	1.15-1.30	0.60-2.00	0.14-0.16	Low	2.0-4.0	0.32	0.37	4	5	56
	14-38	27-35	1.20-1.40	0.20-0.60	0.15-0.17	Moderate	1.0-3.0	0.32	0.55			
	38-60	20-35	1.30-1.50	0.60-2.00	0.05-0.06	Low	0.5-1.0	0.10	0.49			
Sumine----------	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1621:												
Cleavage--------	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
Graley----------	0-12	10-20	1.30-1.50	0.60-2.00	0.11-0.15	Low	1.0-2.0	0.28	0.49	1	6	48
	12-17	35-45	1.25-1.40	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
Cleavage--------	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
1622:												
Cleavage--------	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
Sumine----------	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Hapgood---------	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			
1623:												
Cleavage--------	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
Hapgood---------	0-13	15-25	1.05-1.20	0.60-2.00	0.08-0.10	Low	2.0-3.0	0.17	0.49	3	7	38
	13-41	18-27	1.15-1.35	0.60-2.00	0.08-0.10	Low	0.5-2.0	0.10	0.24			
	41-55	10-15	1.35-1.55	0.60-2.00	0.07-0.09	Low	0.0-0.5	0.10	0.32			
	55-59	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
1625:												
Cleavage	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
Ninemile	0-4	20-27	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.28	0.49	1	7	38
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-2.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
1626:												
Cleavage	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
Carstump	0-14	12-20	1.25-1.45	0.60-2.00	0.14-0.17	Low	1.0-3.0	0.28	0.49	2	6	48
	14-36	40-55	1.20-1.40	0.06-0.20	0.13-0.15	Moderate	0.0-0.5	0.20	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Chen	0-7	15-25	1.10-1.25	0.60-2.00	0.07-0.08	Low	2.0-3.0	0.15	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.06	Moderate	0.5-2.0	0.10	0.24			
	15-19	---	---	0.00-0.01	---		---	---	---			
1628:												
Cleavage	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Chen----------	0-7	15-25	1.10-1.25	0.60-2.00	0.07-0.08	Low	2.0-3.0	0.15	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.06	Moderate	0.5-2.0	0.10	0.24			
	15-19	---	---	0.00-0.01	---		---	---	---			
Reluctan--------	0-9	15-22	1.15-1.35	0.60-2.00	0.11-0.14	Low	2.0-4.0	0.24	0.43	2	6	48
	9-27	25-35	1.35-1.55	0.20-0.60	0.12-0.15	Moderate	0.5-2.0	0.24	0.43			
	27-31	---	---	0.00-0.01	---		---	---	---			
1640:												
Tusk----------	0-14	10-27	1.15-1.30	0.60-2.00	0.12-0.14	Low	2.0-4.0	0.24	0.43	4	6	48
	14-38	27-35	1.20-1.40	0.20-0.60	0.15-0.17	Moderate	1.0-3.0	0.32	0.55			
	38-60	20-35	1.30-1.50	0.60-2.00	0.05-0.06	Low	0.5-1.0	0.10	0.49			
Cleavage--------	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.43	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	1.0-2.0	0.10	0.55			
	18-28	---	---	0.00-0.01	---		---	---	---			
Hackwood--------	0-26	10-27	1.10-1.25	0.60-2.00	0.16-0.21	Moderate	2.0-4.0	0.37	0.43	5	6	48
	26-34	15-27	1.25-1.35	0.60-2.00	0.10-0.17	Moderate	1.0-2.0	0.28	0.49			
	34-60	25-35	1.35-1.45	0.60-2.00	0.08-0.14	Moderate	0.5-1.0	0.15	0.43			
1650:												
Ninemile--------	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Tusk----------	0-14	10-27	1.15-1.30	0.60-2.00	0.12-0.14	Low	2.0-4.0	0.24	0.43	4	6	48
	14-38	27-35	1.20-1.40	0.20-0.60	0.15-0.17	Moderate	1.0-3.0	0.32	0.55			
	38-60	20-35	1.30-1.50	0.60-2.00	0.05-0.06	Low	0.5-1.0	0.10	0.49			
Ninemile--------	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1651:												
Ninemile	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Reluctan	0-9	14-18	1.30-1.45	0.60-2.00	0.12-0.14	Low	2.0-4.0	0.28	0.49	2	6	48
	9-27	25-35	1.40-1.60	0.20-0.60	0.12-0.17	Moderate	0.5-2.0	0.32	0.43			
	27-37	---	---	0.00-0.01	---		---	---	---			
Ninemile	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
1652:												
Ninemile	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Graley	0-12	10-20	1.30-1.50	0.60-2.00	0.08-0.14	Low	1.0-2.0	0.17	0.43	1	8	---
	12-17	35-45	1.25-1.40	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
Ninemile	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
1653:												
Ninemile	0-4	20-27	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.28	0.49	1	7	38
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-2.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Reluctan	0-9	15-22	1.15-1.35	0.60-2.00	0.09-0.11	Low	2.0-4.0	0.15	0.55	2	7	38
	9-27	25-35	1.35-1.55	0.20-0.60	0.12-0.15	Moderate	0.5-2.0	0.24	0.43			
	27-31	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Graley----------	0-7	10-20	1.30-1.50	0.60-2.00	0.11-0.15	Low	1.0-2.0	0.28	0.49	1	6	48
	7-17	35-45	1.25-1.40	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
1655:												
Ninemile--------	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Thwoop----------	0-4	14-22	1.15-1.35	0.60-2.00	0.14-0.16	Low	1.0-2.0	0.20	0.55	2	6	48
	4-10	20-27	1.15-1.35	0.60-2.00	0.17-0.19	Moderate	1.0-2.0	0.37	0.43			
	10-25	35-45	1.30-1.45	0.06-0.20	0.08-0.10	Moderate	0.5-1.0	0.05	0.37			
	25-27	---	---	0.00-0.01	---		---	---	---			
	27-37	---	---	0.00-0.01	---		---	---	---			
Pequop----------	0-12	12-23	1.25-1.45	0.60-2.00	0.10-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	12-50	20-35	1.40-1.60	0.60-2.00	0.07-0.08	Low	1.0-3.0	0.05	0.37			
	50-60	15-25	1.35-1.55	0.60-2.00	0.06-0.07	Low	0.5-1.0	0.05	0.43			
1656:												
Ninemile--------	0-4	20-27	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.28	0.49	1	7	38
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-2.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Pequop----------	0-12	12-23	1.25-1.45	0.60-2.00	0.10-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	12-50	20-35	1.40-1.60	0.60-2.00	0.07-0.08	Low	1.0-3.0	0.05	0.37			
	50-60	15-25	1.35-1.55	0.60-2.00	0.06-0.07	Low	0.5-1.0	0.05	0.43			
Gumble----------	0-4	15-20	1.30-1.50	2.00-6.00	0.06-0.08	Low	1.0-2.0	0.10	0.32	2	5	56
	4-18	40-60	1.20-1.40	0.06-0.20	0.14-0.16	High	0.5-1.0	0.20	0.28			
	18-22	---	---	0.00-0.01	---		---	---	---			
1657:												
Ninemile--------	0-4	20-27	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.28	0.49	1	7	38
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-2.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Alyan----------	0-9	18-27	1.10-1.25	0.60-2.00	0.13-0.15	Moderate	2.0-3.0	0.20	0.37	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
1658:												
Ninemile--------	0-4	20-27	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.28	0.49	1	7	38
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-2.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Vanwyper--------	0-10	18-25	1.10-1.25	0.60-2.00	0.09-0.12	Low	1.0-2.0	0.17	0.43	2	7	38
	10-25	35-55	1.30-1.50	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.10	0.43			
	25-29	---	---	0.00-0.01	---		---	---	---			
Ninemile--------	0-4	20-27	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.28	0.49	1	7	38
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-2.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
1659:												
Ninemile--------	0-4	20-27	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.28	0.49	1	7	38
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-2.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Carstump--------	0-14	12-20	1.25-1.45	0.60-2.00	0.14-0.17	Low	1.0-3.0	0.28	0.49	2	6	48
	14-36	40-55	1.20-1.40	0.06-0.20	0.13-0.15	Moderate	0.0-0.5	0.20	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
1660:												
Susie Creek-----	0-10	20-27	1.10-1.30	0.60-2.00	0.15-0.17	Moderate	1.0-3.0	0.32	0.37	5	6	48
	10-30	35-55	1.25-1.45	0.06-0.20	0.15-0.19	High	0.0-0.8	0.28	0.32			
	30-60	18-30	1.30-1.50	0.20-0.60	0.14-0.16	Moderate	0.0-0.5	0.28	0.32			
Pie Creek-------	0-5	10-20	1.25-1.40	0.60-2.00	0.16-0.18	Low	2.0-3.0	0.37	0.43	2	5	56
	5-23	60-70	1.15-1.30	0.00-0.06	0.14-0.16	High	1.0-2.0	0.20	0.20			
	23-27	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Pattani	0-14	40-50	1.25-1.40	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.28	3	4	86
	14-37	35-50	1.35-1.50	0.00-0.06	0.15-0.20	High	0.0-1.0	0.28	0.32			
	37-41	---	---	0.00-0.01	---		---	---	---			
1671:												
Linkup	0-3	10-24	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.24	0.43	1	6	48
	3-5	27-45	1.30-1.45	0.20-0.60	0.09-0.17	Moderate	0.5-1.0	0.10	0.37			
	5-17	40-55	1.25-1.40	0.06-0.20	0.09-0.12	High	0.0-0.5	0.10	0.37			
	17-21	---	---	0.00-0.01	---		---	---	---			
Carstump	0-14	15-25	1.15-1.35	0.60-2.00	0.12-0.15	Low	1.0-3.0	0.10	0.43	2	7	38
	14-36	40-55	1.20-1.40	0.06-0.20	0.13-0.15	Moderate	0.0-0.5	0.20	0.37			
	36-60	---	---	0.00-0.01	---		---	---	---			
Linkup	0-3	10-20	1.35-1.50	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.15	0.55	1	7	38
	3-5	27-45	1.30-1.45	0.20-0.60	0.09-0.17	Moderate	0.5-1.0	0.10	0.37			
	5-17	40-55	1.25-1.40	0.06-0.20	0.09-0.12	High	0.0-0.5	0.10	0.37			
	17-21	---	---	0.00-0.01	---		---	---	---			
1672:												
Linkup	0-3	10-20	1.35-1.50	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.15	0.55	1	7	38
	3-5	27-45	1.30-1.45	0.20-0.60	0.09-0.17	Moderate	0.5-1.0	0.10	0.37			
	5-17	40-55	1.25-1.40	0.06-0.20	0.09-0.12	High	0.0-0.5	0.10	0.37			
	17-21	---	---	0.00-0.01	---		---	---	---			
Carstump	0-14	12-20	1.25-1.45	0.60-2.00	0.14-0.17	Low	1.0-3.0	0.28	0.49	2	6	48
	14-36	40-55	1.20-1.40	0.06-0.20	0.13-0.15	Moderate	0.0-0.5	0.20	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Linkup	0-3	10-20	1.35-1.50	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.15	0.55	1	7	38
	3-5	27-45	1.30-1.45	0.20-0.60	0.09-0.17	Moderate	0.5-1.0	0.10	0.37			
	5-17	40-55	1.25-1.40	0.06-0.20	0.09-0.12	High	0.0-0.5	0.10	0.37			
	17-21	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1673:												
Linkup	0-3	14-20	1.35-1.50	0.60-2.00	0.08-0.12	Low	1.0-2.0	0.15	0.49	1	7	38
	3-5	27-45	1.30-1.45	0.20-0.60	0.14-0.21	Moderate	0.5-1.0	0.17	0.28			
	5-17	40-55	1.25-1.40	0.06-0.20	0.11-0.16	High	0.0-0.5	0.10	0.37			
	17-21	---	---	0.00-0.01	---		---	---	---			
Quarz	0-6	20-27	1.10-1.25	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.15	0.49	2	8	---
	6-21	35-55	1.20-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-2.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
Alyan	0-9	18-27	1.10-1.25	0.60-2.00	0.10-0.15	Moderate	2.0-3.0	0.20	0.37	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.12-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.09-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.06-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
1675:												
Linkup	0-3	27-33	1.25-1.40	0.20-0.60	0.15-0.17	Moderate	1.0-2.0	0.17	0.43	1	7	38
	3-5	27-45	1.30-1.45	0.20-0.60	0.14-0.21	Moderate	0.5-1.0	0.17	0.28			
	5-17	40-55	1.25-1.40	0.06-0.20	0.11-0.16	High	0.0-0.5	0.10	0.37			
	17-21	---	---	0.00-0.01	---		---	---	---			
Snowmore	0-4	15-20	1.30-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.32	0.37	2	3	86
	4-13	20-30	1.25-1.45	0.20-0.60	0.17-0.19	Moderate	0.5-2.0	0.32	0.37			
	13-22	25-35	1.40-1.60	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.24	0.32			
	22-28	---	---	0.00-0.01	---		---	---	---			
	28-32	---	---	0.00-0.01	---		---	---	---			
Ratsow	0-7	15-20	1.15-1.30	0.60-2.00	0.13-0.18	Moderate	1.0-2.0	0.28	0.43	2	5	56
	7-29	35-50	1.30-1.50	0.06-0.20	0.14-0.20	High	0.0-0.8	0.28	0.32			
	29-30	---	---	0.00-0.01	---		---	---	---			
	30-34	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1676:												
Linkup----------	0-3	10-24	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.24	0.43	1	6	48
	3-5	27-45	1.30-1.45	0.20-0.60	0.09-0.17	Moderate	0.5-1.0	0.10	0.37			
	5-17	40-55	1.25-1.40	0.06-0.20	0.09-0.12	High	0.0-0.5	0.10	0.37			
	17-21	---	---	0.00-0.01	---		---	---	---			
Quarz-----------	0-6	20-27	1.10-1.25	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.15	0.49	2	8	---
	6-21	35-55	1.20-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-2.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
1680:												
Carstump--------	0-14	15-25	1.15-1.35	0.60-2.00	0.12-0.15	Low	1.0-3.0	0.10	0.43	2	7	38
	14-36	40-55	1.20-1.40	0.06-0.20	0.13-0.15	Moderate	0.0-0.5	0.20	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Reluctan--------	0-9	14-18	1.30-1.45	0.60-2.00	0.12-0.14	Low	2.0-4.0	0.28	0.49	2	6	48
	9-27	25-35	1.40-1.60	0.20-0.60	0.12-0.17	Moderate	0.5-2.0	0.32	0.43			
	27-37	---	---	0.00-0.01	---		---	---	---			
Ninemile--------	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
1685:												
Carstump--------	0-14	15-25	1.15-1.35	0.60-2.00	0.12-0.15	Low	1.0-3.0	0.10	0.43	2	7	38
	14-36	40-55	1.20-1.40	0.06-0.20	0.13-0.15	Moderate	0.0-0.5	0.20	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Ninemile--------	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Graley----------	0-12	10-20	1.30-1.50	0.60-2.00	0.08-0.14	Low	1.0-2.0	0.17	0.43	1	8	---
	12-17	35-45	1.25-1.40	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1686:												
Carstump--------	0-14	12-20	1.25-1.45	0.60-2.00	0.14-0.17	Low	1.0-3.0	0.28	0.49	2	6	48
	14-36	40-55	1.20-1.40	0.06-0.20	0.13-0.15	Moderate	0.0-0.5	0.20	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Reluctan--------	0-9	14-18	1.30-1.45	0.60-2.00	0.12-0.14	Low	2.0-4.0	0.28	0.49	2	6	48
	9-27	25-35	1.40-1.60	0.20-0.60	0.12-0.17	Moderate	0.5-2.0	0.32	0.43			
	27-37	---	---	0.00-0.01	---		---	---	---			
Ninemile--------	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
1687:												
Carstump--------	0-14	12-20	1.25-1.45	0.60-2.00	0.14-0.17	Low	1.0-3.0	0.20	0.32	2	6	48
	14-36	40-55	1.20-1.40	0.06-0.20	0.13-0.15	Moderate	0.5-1.0	0.10	0.43			
	36-40	---	---	0.00-0.01	---		---	---	---			
Linkup----------	0-3	10-24	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.24	0.43	1	6	48
	3-5	27-45	1.30-1.45	0.20-0.60	0.09-0.17	Moderate	0.5-1.0	0.10	0.37			
	5-17	40-55	1.25-1.40	0.06-0.20	0.09-0.12	High	0.0-0.5	0.10	0.37			
	17-21	---	---	0.00-0.01	---		---	---	---			
Carstump--------	0-14	12-20	1.25-1.45	0.60-2.00	0.14-0.17	Low	1.0-3.0	0.28	0.49	2	6	48
	14-36	40-55	1.20-1.40	0.06-0.20	0.13-0.15	Moderate	0.0-0.5	0.20	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
1691:												
Rock Outcrop.												
Pequop----------	0-12	12-23	1.25-1.45	0.60-2.00	0.10-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	12-50	20-35	1.40-1.60	0.60-2.00	0.07-0.08	Low	1.0-3.0	0.05	0.37			
	50-60	15-25	1.35-1.55	0.60-2.00	0.06-0.07	Low	0.5-1.0	0.05	0.43			
Rubble Land-----	0-60	---	1.70-2.35	>20.00	0.00-0.10	Low	0.0-0.1	---	---	---	8	---

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1700:												
Cotant----------	0-3	27-40	1.10-1.30	0.20-0.60	0.13-0.16	Moderate	1.0-2.0	0.20	0.37	2	7	38
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
Quarz----------	0-6	20-27	1.10-1.25	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.15	0.49	2	8	---
	6-21	35-55	1.20-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-2.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
Ninemile--------	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
1702:												
Cotant----------	0-3	27-40	1.10-1.30	0.20-0.60	0.13-0.16	Moderate	1.0-2.0	0.20	0.37	2	7	38
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
McIvey----------	0-16	20-27	1.05-1.20	0.60-2.00	0.11-0.15	Low	2.0-5.0	0.17	0.32	5	7	38
	16-29	30-40	1.25-1.45	0.20-0.60	0.12-0.17	Moderate	1.0-2.0	0.10	0.43			
	29-65	40-50	1.25-1.40	0.00-0.06	0.07-0.10	Moderate	0.5-1.0	0.05	0.37			
Blitzen---------	0-10	27-35	1.10-1.25	0.60-2.00	0.10-0.14	Low	1.0-3.0	0.10	0.32	3	8	---
	10-33	35-60	1.20-1.40	0.06-0.20	0.06-0.08	Moderate	1.0-2.0	0.10	0.32			
	33-37	---	---	0.00-0.01	---		---	---	---			
1703:												
Cotant----------	0-3	27-40	1.10-1.30	0.20-0.60	0.13-0.16	Moderate	1.0-2.0	0.20	0.37	2	7	38
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
Lerrow----------	0-9	20-25	1.05-1.20	0.60-2.00	0.14-0.16	Moderate	2.0-3.0	0.20	0.43	3	6	48
	9-14	30-40	1.20-1.40	0.20-0.60	0.16-0.19	Moderate	1.0-2.0	0.20	0.32			
	14-27	40-55	1.25-1.40	0.06-0.20	0.11-0.14	High	0.5-1.0	0.15	0.37			
	27-31	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Bullump---------	0-12	15-25	1.10-1.20	0.60-2.00	0.08-0.12	Low	2.0-6.0	0.15	0.43	3	7	38
	12-46	25-35	1.35-1.45	0.20-0.60	0.09-0.14	Low	0.5-3.0	0.10	0.32			
	46-50	---	---	0.00-0.01	---		---	---	---			
1711:												
Reluctan--------	0-9	14-18	1.30-1.45	0.60-2.00	0.12-0.14	Low	2.0-4.0	0.28	0.49	2	6	48
	9-27	25-35	1.40-1.60	0.20-0.60	0.12-0.17	Moderate	0.5-2.0	0.32	0.43			
	27-37	---	---	0.00-0.01	---		---	---	---			
Ninemile--------	0-4	20-27	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.28	0.49	1	7	38
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-2.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Cleavage--------	0-4	15-25	1.15-1.25	0.60-2.00	0.15-0.17	Moderate	1.0-3.0	0.20	0.37	1	6	48
	4-18	20-35	1.40-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-28	---	---	0.00-0.01	---		---	---	---			
1712:												
Reluctan--------	0-9	14-18	1.30-1.45	0.60-2.00	0.12-0.14	Low	2.0-4.0	0.28	0.49	2	6	48
	9-27	25-35	1.40-1.60	0.20-0.60	0.12-0.17	Moderate	0.5-2.0	0.32	0.43			
	27-37	---	---	0.00-0.01	---		---	---	---			
Sumine----------	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Cleavage--------	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
1713:												
Reluctan--------	0-9	15-22	1.15-1.35	0.60-2.00	0.11-0.14	Low	2.0-4.0	0.24	0.43	2	6	48
	9-27	25-35	1.35-1.55	0.20-0.60	0.12-0.15	Moderate	0.5-2.0	0.24	0.43			
	27-31	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Erakatak--------	0-4	15-27	1.05-1.20	0.60-2.00	0.11-0.14	Moderate	2.0-5.0	0.17	0.32	2	6	48
	4-19	35-50	1.10-1.30	0.20-0.60	0.08-0.11	Moderate	1.0-2.0	0.05	0.37			
	19-32	40-60	1.20-1.40	0.06-0.20	0.06-0.09	Moderate	0.5-2.0	0.05	0.37			
	32-35	---	---	0.00-0.06	---		---	---	---			
	35-45	---	---	0.00-0.01	---		---	---	---			
Rugar-----------	0-2	15-27	1.05-1.20	0.60-2.00	0.16-0.18	Moderate	2.0-5.0	0.32	0.37	4	5	56
	2-20	27-35	1.15-1.35	0.20-0.60	0.18-0.20	Moderate	1.0-2.0	0.28	0.32			
	20-43	40-55	1.20-1.40	0.06-0.20	0.12-0.15	High	0.0-0.8	0.20	0.32			
	43-47	---	---	0.00-0.01	---		---	---	---			
1720:												
Quarz-----------	0-6	20-27	1.10-1.25	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.15	0.49	2	8	---
	6-21	35-55	1.20-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-2.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
Alyan-----------	0-9	18-27	1.10-1.25	0.60-2.00	0.10-0.15	Moderate	2.0-3.0	0.20	0.37	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.12-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.09-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.06-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
Ninemile--------	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
1725:												
Quarz-----------	0-6	15-27	1.10-1.25	0.60-2.00	0.07-0.12	Low	2.0-3.0	0.10	0.32	2	3	86
	6-9	30-40	1.25-1.40	0.20-0.60	0.08-0.14	Low	1.0-2.0	0.10	0.24			
	9-21	35-55	1.20-1.40	0.06-0.20	0.06-0.10	Moderate	0.5-1.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
Cleavage--------	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Loncan----------	0-17	18-27	1.10-1.25	0.60-2.00	0.06-0.10	Low	1.0-2.0	0.10	0.37	2	7	38
	17-30	18-27	1.20-1.40	0.60-2.00	0.05-0.10	Low	0.5-1.0	0.10	0.37			
	30-34	---	---	0.00-0.01	---		---	---	---			
1726:												
Quarz----------	0-6	20-27	1.10-1.25	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.15	0.49	2	8	---
	6-21	35-55	1.20-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-2.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
Ninemile--------	0-4	20-27	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.28	0.49	1	7	38
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-2.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Pequop----------	0-12	12-23	1.25-1.45	0.60-2.00	0.10-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	12-50	20-35	1.40-1.60	0.60-2.00	0.07-0.08	Low	1.0-3.0	0.05	0.37			
	50-60	15-25	1.35-1.55	0.60-2.00	0.06-0.07	Low	0.5-1.0	0.05	0.43			
1730:												
Graley----------	0-12	10-18	1.30-1.50	0.60-2.00	0.08-0.12	Low	2.0-4.0	0.17	0.55	1	7	38
	12-17	35-45	1.25-1.40	0.06-0.20	0.08-0.10	Moderate	1.0-2.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
Erakatak--------	0-4	15-27	1.05-1.20	0.60-2.00	0.05-0.08	Low	2.0-5.0	0.10	0.32	2	7	38
	4-19	35-50	1.10-1.30	0.20-0.60	0.08-0.11	Moderate	1.0-2.0	0.05	0.37			
	19-32	40-60	1.20-1.40	0.06-0.20	0.06-0.09	Moderate	0.5-1.0	0.05	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
Chen----------	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
1732:												
Graley----------	0-12	10-15	1.30-1.50	0.60-2.00	0.12-0.16	Low	1.0-2.0	0.17	0.43	1	7	38
	12-17	35-45	1.25-1.40	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Quarz	0-6	20-27	1.10-1.25	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.15	0.49	2	8	---
	6-21	35-55	1.20-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-2.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
Ninemile	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
1733:												
Graley	0-12	10-15	1.30-1.50	0.60-2.00	0.12-0.16	Low	1.0-2.0	0.17	0.43	1	7	38
	12-17	35-45	1.25-1.40	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
Loncan	0-17	18-27	1.10-1.25	0.60-2.00	0.06-0.10	Low	1.0-2.0	0.10	0.37	2	7	38
	17-30	18-27	1.20-1.40	0.60-2.00	0.05-0.10	Low	0.5-1.0	0.10	0.37			
	30-34	---	---	0.00-0.01	---		---	---	---			
1740:												
Erakatak	0-4	15-27	1.05-1.20	0.60-2.00	0.05-0.08	Low	2.0-5.0	0.10	0.32	2	7	38
	4-19	35-50	1.10-1.30	0.20-0.60	0.08-0.11	Moderate	1.0-2.0	0.05	0.37			
	19-32	40-60	1.20-1.40	0.06-0.20	0.06-0.09	Moderate	0.5-1.0	0.05	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
Cleavage	0-4	15-20	1.15-1.35	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.05	0.43	1	8	---
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
Hackwood	0-26	10-27	1.10-1.25	0.60-2.00	0.16-0.21	Moderate	2.0-4.0	0.37	0.43	5	6	48
	26-34	15-27	1.25-1.35	0.60-2.00	0.10-0.17	Moderate	1.0-2.0	0.28	0.49			
	34-60	25-35	1.35-1.45	0.60-2.00	0.08-0.14	Moderate	0.5-1.0	0.15	0.43			
1741:												
Erakatak	0-4	27-35	1.05-1.20	0.60-2.00	0.06-0.09	Low	2.0-5.0	0.10	0.32	2	8	---
	4-19	35-50	1.10-1.30	0.20-0.60	0.08-0.11	Moderate	1.0-2.0	0.05	0.37			
	19-32	40-60	1.20-1.40	0.06-0.20	0.06-0.09	Moderate	0.5-1.0	0.05	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Chen	0-7	20-25	1.10-1.25	0.60-2.00	0.07-0.10	Low	2.0-3.0	0.05	0.37	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
Tusk	0-14	10-27	1.15-1.30	0.60-2.00	0.12-0.14	Low	2.0-4.0	0.24	0.43	4	6	48
	14-38	27-35	1.20-1.40	0.20-0.60	0.15-0.17	Moderate	1.0-3.0	0.32	0.55			
	38-60	20-35	1.30-1.50	0.60-2.00	0.05-0.06	Low	0.5-1.0	0.10	0.49			
1742:												
Erakatak	0-4	15-27	1.05-1.20	0.60-2.00	0.11-0.14	Moderate	2.0-5.0	0.17	0.32	2	6	48
	4-19	35-50	1.10-1.30	0.20-0.60	0.08-0.11	Moderate	1.0-2.0	0.05	0.37			
	19-32	40-60	1.20-1.40	0.06-0.20	0.06-0.09	Moderate	0.5-2.0	0.05	0.37			
	32-35	---	---	0.00-0.06	---		---	---	---			
	35-45	---	---	0.00-0.01	---		---	---	---			
Rugar	0-2	27-35	1.05-1.20	0.20-0.60	0.18-0.20	Moderate	2.0-5.0	0.28	0.32	4	6	48
	2-20	27-35	1.15-1.35	0.20-0.60	0.18-0.20	Moderate	1.0-2.0	0.28	0.32			
	20-43	40-55	1.20-1.40	0.06-0.20	0.12-0.15	High	0.0-0.8	0.20	0.32			
	43-47	---	---	0.00-0.01	---		---	---	---			
Tusel	0-17	10-20	1.20-1.40	0.60-2.00	0.13-0.15	Low	2.0-5.0	0.15	0.43	3	7	38
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
1744:												
Erakatak	0-4	27-35	1.05-1.20	0.60-2.00	0.06-0.09	Low	2.0-5.0	0.10	0.32	2	8	---
	4-19	35-50	1.10-1.30	0.20-0.60	0.08-0.11	Moderate	1.0-2.0	0.05	0.37			
	19-32	40-60	1.20-1.40	0.06-0.20	0.06-0.09	Moderate	0.5-1.0	0.05	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
Graley	0-12	10-18	1.30-1.50	0.60-2.00	0.08-0.12	Low	2.0-4.0	0.17	0.55	1	7	38
	12-17	35-45	1.25-1.40	0.06-0.20	0.08-0.10	Moderate	1.0-2.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Tusel----------	0-17	10-20	1.20-1.40	0.60-2.00	0.13-0.15	Low	2.0-5.0	0.15	0.43	3	7	38
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
1746:												
Booford---------	0-10	15-25	1.10-1.30	0.60-2.00	0.18-0.20	Moderate	2.0-4.0	0.43	0.43	3	6	48
	10-19	35-50	1.30-1.45	0.06-0.20	0.13-0.19	Moderate	1.0-3.0	0.24	0.43			
	19-36	40-60	1.25-1.45	0.06-0.20	0.13-0.19	High	0.5-2.0	0.17	0.37			
	36-46	---	---	0.00-0.01	---		---	---	---			
Cotant----------	0-3	27-40	1.10-1.30	0.20-0.60	0.13-0.16	Moderate	1.0-2.0	0.20	0.37	2	7	38
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
Blitzen---------	0-10	27-35	1.10-1.25	0.60-2.00	0.14-0.16	Moderate	1.0-3.0	0.20	0.37	3	7	38
	10-33	35-60	1.20-1.40	0.06-0.20	0.06-0.08	Moderate	1.0-2.0	0.10	0.32			
	33-37	---	---	0.00-0.01	---		---	---	---			
1800:												
Bregar----------	0-6	15-25	1.15-1.25	0.60-2.00	0.07-0.10	Low	1.0-2.0	0.17	0.55	1	7	38
	6-11	25-35	1.40-1.45	0.20-0.60	0.07-0.10	Low	0.5-1.0	0.05	0.43			
	11-15	---	---	0.00-0.01	---		---	---	---			
Bregar----------	0-6	15-25	1.15-1.25	0.60-2.00	0.07-0.10	Low	1.0-2.0	0.17	0.55	1	7	38
	6-11	25-35	1.40-1.45	0.20-0.60	0.07-0.10	Low	0.5-1.0	0.05	0.43			
	11-15	---	---	0.00-0.01	---		---	---	---			
Carstump--------	0-14	12-20	1.25-1.45	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.17	0.43	2	7	38
	14-36	40-55	1.20-1.40	0.06-0.20	0.13-0.15	Moderate	0.5-1.0	0.10	0.43			
	36-40	---	---	0.00-0.01	---		---	---	---			
1802:												
Bregar----------	0-2	15-25	1.15-1.25	0.60-2.00	0.07-0.10	Low	1.0-2.0	0.17	0.55	1	7	38
	2-7	25-35	1.40-1.45	0.20-0.60	0.07-0.10	Low	0.5-1.0	0.05	0.43			
	7-11	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Ninemile--------	0-4	20-27	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.28	0.49	1	7	38
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-2.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Pequop----------	0-12	12-23	1.25-1.45	0.60-2.00	0.10-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	12-50	20-35	1.40-1.60	0.60-2.00	0.07-0.08	Low	1.0-3.0	0.05	0.37			
	50-60	15-25	1.35-1.55	0.60-2.00	0.06-0.07	Low	0.5-1.0	0.05	0.43			
1803:												
Rock Outcrop.												
Bregar----------	0-2	8-15	1.15-1.25	6.00-20.00	0.05-0.07	Low	1.0-2.0	0.05	0.24	1	5	56
	2-7	25-35	1.40-1.45	0.20-0.60	0.07-0.10	Low	0.5-1.0	0.05	0.43			
	7-11	---	---	0.00-0.01	---		---	---	---			
Sumine----------	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
1805:												
Bregar----------	0-2	15-25	1.15-1.25	0.60-2.00	0.11-0.13	Low	1.0-3.0	0.02	0.43	1	8	---
	2-11	25-35	1.40-1.45	0.20-0.60	0.09-0.14	Low	0.5-1.0	0.10	0.55			
	11-15	---	---	0.00-0.01	---		---	---	---			
Deseed----------	0-4	15-25	1.15-1.30	0.60-2.00	0.13-0.15	Moderate	1.0-3.0	0.24	0.43	2	7	38
	4-26	35-45	1.35-1.50	0.06-0.20	0.10-0.13	High	0.5-2.0	0.17	0.32			
	26-30	---	---	0.00-0.01	---		---	---	---			
Linkup----------	0-3	10-20	1.35-1.50	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.15	0.55	1	7	38
	3-5	27-45	1.30-1.45	0.20-0.60	0.09-0.17	Moderate	0.5-1.0	0.10	0.37			
	5-17	40-55	1.25-1.40	0.06-0.20	0.09-0.12	High	0.0-0.5	0.10	0.37			
	17-21	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1810:												
Shively	0-9	10-18	1.30-1.45	0.60-2.00	0.14-0.17	Low	1.0-3.0	0.37	0.43	4	5	56
	9-21	10-18	1.30-1.45	0.60-2.00	0.11-0.17	Low	1.0-2.0	0.32	0.37			
	21-41	10-22	1.40-1.55	0.60-2.00	0.09-0.15	Low	0.5-1.0	0.32	0.37			
	41-60	---	---	0.00-0.01	---		---	---	---			
Ninemile	0-4	15-25	1.35-1.50	0.60-2.00	0.08-0.11	Low	2.0-4.0	0.15	0.55	1	8	---
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-3.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Hackwood	0-26	10-27	1.10-1.25	0.60-2.00	0.16-0.21	Moderate	2.0-4.0	0.37	0.43	5	6	48
	26-34	15-27	1.25-1.35	0.60-2.00	0.10-0.17	Moderate	1.0-2.0	0.28	0.49			
	34-60	25-35	1.35-1.45	0.60-2.00	0.08-0.14	Moderate	0.5-1.0	0.15	0.43			
1830:												
Vanwyper	0-10	18-25	1.10-1.25	0.60-2.00	0.11-0.15	Moderate	1.0-2.0	0.20	0.43	2	6	48
	10-25	35-55	1.30-1.50	0.06-0.20	0.06-0.10	Moderate	0.5-1.0	0.10	0.37			
	25-29	---	---	0.00-0.01	---		---	---	---			
Alyan	0-9	18-27	1.10-1.25	0.60-2.00	0.13-0.15	Moderate	2.0-3.0	0.20	0.37	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
Vanwyper	0-10	18-25	1.10-1.25	0.60-2.00	0.11-0.15	Moderate	1.0-2.0	0.20	0.43	2	6	48
	10-25	35-55	1.30-1.50	0.06-0.20	0.06-0.10	Moderate	0.5-1.0	0.10	0.37			
	25-29	---	---	0.00-0.01	---		---	---	---			
1831:												
Vanwyper	0-10	18-25	1.10-1.25	0.60-2.00	0.12-0.14	Moderate	1.0-2.0	0.20	0.32	2	6	48
	10-25	35-55	1.30-1.50	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.10	0.43			
	25-29	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Trunk	0-5	10-20	1.35-1.50	0.60-2.00	0.12-0.15	Low	1.0-2.0	0.24	0.43	2	6	48
	5-23	35-50	1.30-1.45	0.00-0.06	0.10-0.13	High	0.0-0.5	0.20	0.37			
	23-27	---	---	0.00-0.01	---		---	---	---			
Vanwyper	0-10	18-25	1.10-1.25	0.60-2.00	0.12-0.14	Moderate	1.0-2.0	0.20	0.32	2	6	48
	10-25	35-55	1.30-1.50	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.10	0.43			
	25-29	---	---	0.00-0.01	---		---	---	---			
1832:												
Vanwyper	0-10	18-25	1.10-1.25	0.60-2.00	0.09-0.12	Low	1.0-2.0	0.17	0.43	2	7	38
	10-25	35-55	1.30-1.50	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.10	0.43			
	25-29	---	---	0.00-0.01	---		---	---	---			
Trunk	0-5	27-35	1.25-1.40	0.20-0.60	0.15-0.18	Moderate	1.0-2.0	0.20	0.37	2	7	38
	5-23	35-50	1.30-1.45	0.00-0.06	0.10-0.13	High	0.0-0.5	0.20	0.37			
	23-27	---	---	0.00-0.01	---		---	---	---			
Trunk	0-5	27-35	1.25-1.40	0.20-0.60	0.15-0.18	Moderate	1.0-2.0	0.20	0.37	2	7	38
	5-23	35-50	1.30-1.45	0.00-0.06	0.10-0.13	High	0.0-0.5	0.20	0.37			
	23-27	---	---	0.00-0.01	---		---	---	---			
1833:												
Rock Outcrop.												
Vanwyper	0-10	18-25	1.10-1.25	0.60-2.00	0.09-0.12	Low	1.0-2.0	0.17	0.43	2	7	38
	10-25	35-55	1.30-1.50	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.10	0.43			
	25-29	---	---	0.00-0.01	---		---	---	---			
Trunk	0-5	10-20	1.35-1.50	0.60-2.00	0.13-0.15	Low	1.0-2.0	0.24	0.43	2	6	48
	5-23	35-50	1.30-1.45	0.00-0.06	0.10-0.13	High	0.0-0.5	0.20	0.37			
	23-27	---	---	0.00-0.01	---		---	---	---			
1852:												
Gumble	0-4	15-20	1.30-1.50	2.00-6.00	0.13-0.15	Low	1.0-2.0	0.24	0.32	2	3	86
	4-18	40-60	1.20-1.40	0.06-0.20	0.14-0.16	High	0.5-1.0	0.20	0.37			
	18-22	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Tuffo----------	0-6	5-15	1.40-1.55	2.00-6.00	0.12-0.15	Low	1.0-3.0	0.24	0.32	1	3	86
	6-13	5-15	1.35-1.55	2.00-6.00	0.13-0.16	Low	0.5-1.0	0.24	0.37			
	13-17	---	---	0.00-0.01	---		---	---	---			
Hunnton---------	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
1853:												
Rock Outcrop.												
Gumble----------	0-4	15-20	1.30-1.50	2.00-6.00	0.06-0.08	Low	1.0-2.0	0.10	0.32	2	5	56
	4-18	40-60	1.20-1.40	0.06-0.20	0.14-0.16	High	0.5-1.0	0.20	0.28			
	18-28	---	---	0.00-0.01	---		---	---	---			
Tuffo----------	0-6	5-15	1.40-1.55	2.00-6.00	0.07-0.09	Low	1.0-3.0	0.17	0.28	1	4	86
	6-13	5-15	1.35-1.55	2.00-6.00	0.13-0.16	Low	0.5-1.0	0.24	0.37			
	13-17	---	---	0.00-0.01	---		---	---	---			
1854:												
Gumble----------	0-4	15-20	1.30-1.50	2.00-6.00	0.06-0.08	Low	1.0-2.0	0.10	0.32	2	5	56
	4-18	40-60	1.20-1.40	0.06-0.20	0.14-0.16	High	0.5-1.0	0.20	0.28			
	18-28	---	---	0.00-0.01	---		---	---	---			
Chen----------	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
1855:												
Gumble----------	0-4	15-20	1.30-1.50	2.00-6.00	0.07-0.10	Low	1.0-2.0	0.15	0.37	2	4	86
	4-18	40-60	1.20-1.40	0.06-0.20	0.14-0.16	High	0.5-1.0	0.20	0.28			
	18-28	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Puett Variant---	0-2	10-15	1.30-1.50	0.60-2.00	0.11-0.15	Low	0.5-1.0	0.24	0.43	1	5	56
	2-17	10-15	1.35-1.55	0.60-2.00	0.11-0.15	Low	0.0-0.5	0.28	0.55			
	17-27	---	---	0.00-0.01	---		---	---	---			
Xeric Torriorthents--	0-3	8-15	1.40-1.60	2.00-20.00	0.09-0.12	Low	1.0-2.0	0.37	0.43	1	3	86
	3-7	---	---	0.00-0.01	---		---	---	---			
1870:												
Chen----------	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
Graley----------	0-12	10-18	1.30-1.50	0.60-2.00	0.08-0.12	Low	2.0-4.0	0.17	0.55	1	7	38
	12-17	35-45	1.25-1.40	0.06-0.20	0.08-0.10	Moderate	1.0-2.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
Quarz----------	0-6	20-27	1.10-1.25	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.15	0.49	2	8	---
	6-21	35-55	1.20-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-2.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
1871:												
Chen----------	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
Cotant----------	0-3	20-27	1.10-1.30	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.15	0.43	2	8	---
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
Graley----------	0-12	10-18	1.30-1.50	0.60-2.00	0.08-0.12	Low	2.0-4.0	0.17	0.55	1	7	38
	12-17	35-45	1.25-1.40	0.06-0.20	0.08-0.10	Moderate	1.0-2.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1872:												
Chen	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
Tusel	0-17	10-20	1.20-1.40	0.60-2.00	0.13-0.15	Low	2.0-5.0	0.15	0.43	3	7	38
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
1874:												
Chen	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
Quarz	0-6	27-35	1.10-1.25	0.60-2.00	0.14-0.17	Low	2.0-3.0	0.15	0.43	2	7	38
	6-21	35-55	1.20-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-2.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
Arcia	0-15	18-27	1.05-1.20	0.60-2.00	0.18-0.21	Moderate	3.0-5.0	0.24	0.24	2	6	48
	15-21	30-40	1.15-1.30	0.20-0.60	0.18-0.21	High	2.0-3.0	0.24	0.32			
	21-39	40-60	1.20-1.40	0.06-0.20	0.09-0.14	High	1.0-2.0	0.15	0.24			
	39-43	---	---	0.00-0.01	---		---	---	---			
1875:												
Chen	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
Bregar	0-6	15-25	1.15-1.25	0.60-2.00	0.05-0.08	Low	1.0-2.0	0.10	0.55	1	8	---
	6-11	25-35	1.40-1.45	0.20-0.60	0.07-0.10	Low	0.5-1.0	0.05	0.43			
	11-15	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Ramires---------	0-5	27-35	1.20-1.40	0.20-0.60	0.16-0.20	Moderate	2.0-3.0	0.24	0.32	2	6	48
	5-40	35-50	1.25-1.45	0.06-0.20	0.09-0.16	High	1.0-2.0	0.28	0.43			
	40-44	---	---	0.00-0.01	---		---	---	---			
1876:												
Chen------------	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
Chen------------	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
Arcia-----------	0-15	18-27	1.05-1.20	0.60-2.00	0.18-0.21	Moderate	3.0-5.0	0.24	0.24	2	6	48
	15-21	30-40	1.15-1.30	0.20-0.60	0.18-0.21	High	2.0-3.0	0.24	0.32			
	21-39	40-60	1.20-1.40	0.06-0.20	0.09-0.14	High	1.0-2.0	0.15	0.24			
	39-43	---	---	0.00-0.01	---		---	---	---			
1877:												
Chen------------	0-7	15-25	1.10-1.25	0.60-2.00	0.07-0.08	Low	2.0-3.0	0.15	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.06	Moderate	0.5-2.0	0.10	0.24			
	15-19	---	---	0.00-0.01	---		---	---	---			
Bregar----------	0-2	8-15	1.15-1.25	6.00-20.00	0.05-0.07	Low	1.0-2.0	0.05	0.24	1	5	56
	2-7	25-35	1.40-1.45	0.20-0.60	0.07-0.10	Low	0.5-1.0	0.05	0.43			
	7-11	---	---	0.00-0.01	---		---	---	---			
Loncan----------	0-17	18-27	1.10-1.25	0.60-2.00	0.06-0.10	Low	1.0-2.0	0.10	0.37	2	7	38
	17-30	18-27	1.20-1.40	0.60-2.00	0.05-0.10	Low	0.5-1.0	0.10	0.37			
	30-34	---	---	0.00-0.01	---		---	---	---			
1880:												
Chen------------	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Blitzen	0-9	20-27	1.10-1.25	0.60-2.00	0.08-0.11	Low	1.0-3.0	0.15	0.49	3	8	---
	9-33	35-60	1.20-1.40	0.06-0.20	0.06-0.08	Moderate	1.0-2.0	0.10	0.32			
	33-43	---	---	0.00-0.01	---		---	---	---			
Pequop	0-12	12-23	1.25-1.45	0.60-2.00	0.10-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	12-50	20-35	1.40-1.60	0.60-2.00	0.07-0.08	Low	1.0-3.0	0.05	0.37			
	50-60	15-25	1.35-1.55	0.60-2.00	0.06-0.07	Low	0.5-1.0	0.05	0.43			
1881:												
Chen	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
Blitzen	0-10	27-35	1.10-1.25	0.60-2.00	0.14-0.16	Moderate	1.0-3.0	0.20	0.37	3	7	38
	10-33	35-60	1.20-1.40	0.06-0.20	0.06-0.08	Moderate	1.0-2.0	0.10	0.32			
	33-37	---	---	0.00-0.01	---		---	---	---			
Loncan	0-17	18-27	1.10-1.25	0.60-2.00	0.06-0.10	Low	1.0-2.0	0.10	0.37	2	7	38
	17-30	18-27	1.20-1.40	0.60-2.00	0.05-0.10	Low	0.5-1.0	0.10	0.37			
	30-34	---	---	0.00-0.01	---		---	---	---			
1888:												
Chen	0-7	15-25	1.10-1.25	0.60-2.00	0.13-0.15	Low	2.0-3.0	0.17	0.37	1	6	48
	7-15	40-55	1.25-1.40	0.00-0.06	0.07-0.09	Moderate	0.5-1.0	0.10	0.43			
	15-19	---	---	0.00-0.01	---		---	---	---			
Pie Creek	0-5	10-20	1.25-1.40	0.60-2.00	0.07-0.10	Low	2.0-3.0	0.15	0.49	2	7	38
	5-16	60-70	1.15-1.30	0.00-0.06	0.14-0.16	High	1.0-2.0	0.20	0.20			
	16-23	35-45	1.30-1.45	0.06-0.20	0.16-0.19	High	0.5-1.0	0.28	0.28			
	23-27	---	---	0.00-0.01	---		---	---	---			
Alyan	0-9	18-27	1.10-1.25	0.60-2.00	0.13-0.15	Moderate	2.0-3.0	0.20	0.37	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1889:												
Chen	0-7	20-27	1.10-1.25	0.60-2.00	0.08-0.12	Low	2.0-3.0	0.10	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.09	Moderate	0.5-2.0	0.10	0.49			
	15-19	---	---	0.00-0.01	---		---	---	---			
Sumine	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			
1910:												
Mahala	0-5	20-25	1.20-1.40	0.60-2.00	0.19-0.21	Low	1.0-2.0	0.49	0.49	3	6	48
	5-14	45-60	1.20-1.35	0.00-0.06	0.14-0.16	High	0.5-1.0	0.20	0.37			
	14-26	35-60	1.20-1.40	0.00-0.06	0.14-0.18	High	0.0-0.5	0.24	0.28			
	26-30	---	---	0.00-0.01	---		---	---	---			
Ramires	0-5	27-35	1.20-1.40	0.20-0.60	0.16-0.20	Moderate	2.0-3.0	0.24	0.32	2	6	48
	5-40	35-50	1.25-1.45	0.06-0.20	0.09-0.16	High	1.0-2.0	0.28	0.43			
	40-44	---	---	0.00-0.01	---		---	---	---			
1920:												
Lerrow	0-9	20-25	1.05-1.20	0.60-2.00	0.14-0.16	Moderate	2.0-3.0	0.20	0.43	3	6	48
	9-14	30-40	1.20-1.40	0.20-0.60	0.16-0.19	Moderate	1.0-2.0	0.20	0.32			
	14-27	40-55	1.25-1.40	0.06-0.20	0.11-0.14	High	0.5-1.0	0.15	0.37			
	27-31	---	---	0.00-0.01	---		---	---	---			
Chen	0-7	15-25	1.10-1.25	0.60-2.00	0.07-0.08	Low	2.0-3.0	0.15	0.32	1	8	---
	7-15	40-55	1.25-1.40	0.00-0.06	0.05-0.06	Moderate	0.5-2.0	0.10	0.24			
	15-19	---	---	0.00-0.01	---		---	---	---			
Cotant	0-3	18-27	1.10-1.30	0.60-2.00	0.11-0.14	Moderate	1.0-2.0	0.24	0.49	2	6	48
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.0-0.5	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
1921:												
Lerrow----------	0-9	20-25	1.05-1.20	0.60-2.00	0.12-0.15	Moderate	2.0-3.0	0.20	0.37	3	6	48
	9-14	30-40	1.20-1.40	0.20-0.60	0.16-0.19	Moderate	1.0-2.0	0.20	0.32			
	14-27	40-55	1.25-1.40	0.06-0.20	0.11-0.14	High	0.5-1.0	0.15	0.37			
	27-31	---	---	0.00-0.01	---		---	---	---			
Quarz----------	0-6	20-27	1.10-1.25	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.15	0.49	2	8	---
	6-21	35-55	1.20-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-2.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
Rugar----------	0-2	15-27	1.05-1.20	0.60-2.00	0.16-0.18	Moderate	2.0-5.0	0.32	0.37	4	5	56
	2-20	27-35	1.15-1.35	0.20-0.60	0.18-0.20	Moderate	1.0-2.0	0.28	0.32			
	20-43	40-55	1.20-1.40	0.06-0.20	0.12-0.15	High	0.0-0.8	0.20	0.32			
	43-47	---	---	0.00-0.01	---		---	---	---			
1931:												
Tweener---------	0-5	15-20	1.25-1.45	2.00-6.00	0.05-0.09	Low	1.0-2.0	0.05	0.24	1	5	56
	5-8	25-40	1.30-1.50	0.20-0.60	0.07-0.12	Low	1.0-2.0	0.10	0.49			
	8-18	---	---	0.00-0.01	---		---	---	---			
Cleavage--------	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
Reluctan--------	0-9	14-18	1.30-1.45	0.60-2.00	0.12-0.14	Low	2.0-4.0	0.28	0.49	2	6	48
	9-27	25-35	1.40-1.60	0.20-0.60	0.12-0.17	Moderate	0.5-2.0	0.32	0.43			
	27-37	---	---	0.00-0.01	---		---	---	---			
1932:												
Tweener---------	0-5	15-20	1.25-1.45	2.00-6.00	0.05-0.09	Low	1.0-2.0	0.05	0.32	1	5	56
	5-8	25-40	1.30-1.50	0.20-0.60	0.07-0.12	Low	1.0-2.0	0.10	0.49			
	8-12	---	---	0.00-0.01	---		---	---	---			
Sumine----------	0-10	10-20	1.20-1.40	0.60-2.00	0.09-0.12	Low	2.0-4.0	0.17	0.43	2	7	38
	10-29	25-35	1.40-1.60	0.60-2.00	0.08-0.12	Low	0.5-2.0	0.15	0.55			
	29-33	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Cleavage--------	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
1933:												
Tweener---------	0-5	15-20	1.25-1.45	2.00-6.00	0.05-0.09	Low	1.0-2.0	0.05	0.24	1	5	56
	5-8	25-40	1.30-1.50	0.20-0.60	0.07-0.12	Low	1.0-2.0	0.10	0.49			
	8-18	---	---	0.00-0.01	---		---	---	---			
Pequop----------	0-12	12-23	1.25-1.45	0.60-2.00	0.10-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	12-50	20-35	1.40-1.60	0.60-2.00	0.07-0.08	Low	1.0-3.0	0.05	0.37			
	50-60	15-25	1.35-1.55	0.60-2.00	0.06-0.07	Low	0.5-1.0	0.05	0.43			
Cleavage--------	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
1950:												
McIvey----------	0-16	20-27	1.05-1.20	0.60-2.00	0.12-0.15	Moderate	2.0-5.0	0.20	0.55	5	7	38
	16-29	30-40	1.25-1.45	0.20-0.60	0.12-0.17	Moderate	0.5-1.0	0.10	0.43			
	29-65	40-50	1.25-1.40	0.00-0.06	0.07-0.10	Moderate	0.5-1.0	0.05	0.37			
McIvey----------	0-16	20-27	1.05-1.20	0.60-2.00	0.08-0.17	Low	2.0-5.0	0.17	0.64	5	8	---
	16-29	30-40	1.25-1.45	0.20-0.60	0.12-0.17	Moderate	1.0-2.0	0.10	0.43			
	29-65	40-50	1.25-1.40	0.00-0.06	0.07-0.10	Moderate	0.5-1.0	0.05	0.37			
Tusel-----------	0-17	10-20	1.20-1.40	0.60-2.00	0.13-0.15	Low	2.0-5.0	0.15	0.43	3	7	38
	17-58	25-35	1.25-1.45	0.20-0.60	0.08-0.11	Moderate	0.5-2.0	0.20	0.43			
	58-62	---	---	0.00-0.01	---		---	---	---			
1980:												
Thwoop----------	0-4	14-22	1.15-1.35	0.60-2.00	0.14-0.16	Low	1.0-2.0	0.20	0.55	2	6	48
	4-10	20-27	1.15-1.35	0.60-2.00	0.17-0.19	Moderate	1.0-2.0	0.37	0.43			
	10-25	35-45	1.30-1.45	0.06-0.20	0.08-0.10	Moderate	0.5-1.0	0.05	0.37			
	25-27	---	---	0.00-0.01	---		---	---	---			
	27-37	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Trunk	0-5	10-20	1.35-1.50	0.60-2.00	0.12-0.15	Low	1.0-2.0	0.24	0.43	2	6	48
	5-23	35-50	1.30-1.45	0.00-0.06	0.10-0.13	High	0.0-0.5	0.20	0.37			
	23-27	---	---	0.00-0.01	---		---	---	---			
Pequop	0-12	12-23	1.25-1.45	0.60-2.00	0.10-0.15	Low	2.0-5.0	0.20	0.37	3	6	48
	12-50	20-35	1.40-1.60	0.60-2.00	0.07-0.08	Low	1.0-3.0	0.05	0.37			
	50-60	15-25	1.35-1.55	0.60-2.00	0.06-0.07	Low	0.5-1.0	0.05	0.43			
2000:												
Alyan	0-9	18-27	1.10-1.25	0.60-2.00	0.10-0.15	Moderate	2.0-3.0	0.20	0.37	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.12-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.09-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.06-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
Cotant	0-3	18-27	1.10-1.30	0.60-2.00	0.11-0.14	Moderate	1.0-2.0	0.24	0.49	2	6	48
	3-20	40-60	1.25-1.45	0.06-0.20	0.14-0.16	High	0.0-0.5	0.24	0.28			
	20-24	---	---	0.00-0.01	---		---	---	---			
Akler	0-4	18-25	1.20-1.40	0.60-2.00	0.14-0.16	Moderate	1.0-2.0	0.43	0.43	2	5	56
	4-18	50-60	1.20-1.35	0.06-0.20	0.07-0.11	High	0.5-1.0	0.28	0.32			
	18-22	---	---	0.00-0.01	---		---	---	---			
2001:												
Alyan	0-9	18-27	1.10-1.25	0.60-2.00	0.13-0.15	Moderate	2.0-3.0	0.20	0.37	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
Bregar	0-6	15-25	1.15-1.25	0.60-2.00	0.07-0.10	Low	1.0-2.0	0.17	0.55	1	7	38
	6-11	25-35	1.40-1.45	0.20-0.60	0.07-0.10	Low	0.5-1.0	0.05	0.43			
	11-15	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Alyan----------	0-9	18-27	1.10-1.25	0.60-2.00	0.13-0.15	Moderate	2.0-3.0	0.20	0.37	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
2002:												
Alyan----------	0-9	27-35	1.10-1.25	0.60-2.00	0.15-0.17	Moderate	2.0-3.0	0.17	0.32	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
Alyan----------	0-9	27-35	1.10-1.25	0.60-2.00	0.15-0.17	Moderate	2.0-3.0	0.17	0.32	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
Quarz----------	0-6	20-27	1.10-1.25	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.15	0.49	2	8	---
	6-21	35-55	1.20-1.40	0.06-0.20	0.08-0.10	Moderate	0.5-2.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
2003:												
Alyan----------	0-9	18-27	1.10-1.25	0.60-2.00	0.07-0.10	Low	2.0-3.0	0.10	0.32	2	8	---
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-42	---	---	0.00-0.01	---		---	---	---			
Deepeek---------	0-5	15-20	1.35-1.50	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.17	0.43	1	7	38
	5-18	25-35	1.40-1.60	0.20-0.60	0.10-0.13	Low	0.5-1.0	0.17	0.64			
	18-24	---	---	0.00-0.01	---		---	---	---			
	24-42	10-20	1.50-1.65	0.20-0.60	0.14-0.16	Low	0.0-0.5	0.24	0.43			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Susie Creek-----	0-10	10-20	1.15-1.35	0.60-2.00	0.14-0.16	Low	1.0-3.0	0.37	0.49	5	3	86
	10-30	35-55	1.25-1.45	0.06-0.20	0.15-0.19	High	0.0-0.8	0.28	0.32			
	30-60	18-30	1.30-1.50	0.20-0.60	0.14-0.16	Moderate	0.0-0.5	0.28	0.32			
2004:												
Alyan-----------	0-9	18-27	1.10-1.25	0.60-2.00	0.10-0.15	Moderate	2.0-3.0	0.20	0.37	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.12-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.09-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.06-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
Ninemile--------	0-4	20-27	1.35-1.50	0.60-2.00	0.13-0.15	Moderate	1.0-2.0	0.28	0.49	1	7	38
	4-19	40-60	1.25-1.45	0.00-0.06	0.14-0.16	High	1.0-2.0	0.28	0.37			
	19-23	---	---	0.00-0.01	---		---	---	---			
Alyan-----------	0-9	18-27	1.10-1.25	0.60-2.00	0.13-0.15	Moderate	2.0-3.0	0.20	0.37	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
2005:												
Rock Outcrop.												
Alyan-----------	0-9	18-27	1.10-1.25	0.60-2.00	0.13-0.15	Moderate	2.0-3.0	0.20	0.37	2	7	38
	9-16	40-55	1.15-1.35	0.06-0.20	0.14-0.16	High	0.5-2.0	0.24	0.32			
	16-28	40-55	1.15-1.35	0.06-0.20	0.12-0.14	High	0.5-1.0	0.15	0.28			
	28-32	40-55	1.15-1.35	0.06-0.20	0.08-0.10	Moderate	0.0-0.5	0.10	0.37			
	32-36	---	---	0.00-0.01	---		---	---	---			
Graley----------	0-12	10-15	1.30-1.50	0.60-2.00	0.12-0.16	Low	1.0-2.0	0.17	0.43	1	7	38
	12-17	35-45	1.25-1.40	0.06-0.20	0.07-0.10	Moderate	0.5-1.0	0.15	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
2171:												
Deseed----------	0-4	15-25	1.15-1.30	0.60-2.00	0.13-0.15	Moderate	1.0-3.0	0.24	0.43	2	7	38
	4-26	35-45	1.35-1.50	0.06-0.20	0.10-0.13	High	0.5-2.0	0.17	0.32			
	26-30	---	---	0.00-0.01	---		---	---	---			
Reluctan--------	0-9	15-22	1.15-1.35	0.60-2.00	0.11-0.14	Low	2.0-4.0	0.24	0.43	2	6	48
	9-27	25-35	1.35-1.55	0.20-0.60	0.12-0.15	Moderate	0.5-2.0	0.24	0.43			
	27-31	---	---	0.00-0.01	---		---	---	---			
Cleavage--------	0-4	15-25	1.15-1.35	0.60-2.00	0.12-0.14	Low	1.0-3.0	0.10	0.32	1	7	38
	4-18	20-35	1.25-1.45	0.20-0.60	0.10-0.12	Low	0.5-1.0	0.10	0.49			
	18-22	---	---	0.00-0.01	---		---	---	---			
2173:												
Deseed----------	0-4	15-25	1.15-1.30	0.60-2.00	0.13-0.15	Moderate	1.0-3.0	0.24	0.43	2	7	38
	4-26	35-45	1.35-1.50	0.06-0.20	0.10-0.13	High	0.5-2.0	0.17	0.32			
	26-30	---	---	0.00-0.01	---		---	---	---			
Quarz-----------	0-6	15-27	1.10-1.25	0.60-2.00	0.07-0.12	Low	2.0-3.0	0.10	0.32	2	3	86
	6-15	30-40	1.25-1.40	0.20-0.60	0.08-0.14	Low	1.0-2.0	0.10	0.24			
	15-21	35-55	1.20-1.40	0.06-0.20	0.06-0.10	Moderate	0.5-1.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
2205:												
Coltroop--------	0-5	15-20	1.30-1.45	2.00-6.00	0.13-0.15	Low	1.0-2.0	0.37	0.43	1	3	86
	5-17	20-30	1.35-1.55	0.20-0.60	0.15-0.17	Moderate	0.5-1.0	0.43	0.49			
	17-32	---	---	0.00-0.01	---		---	---	---			
	32-42	---	---	0.00-0.01	---		---	---	---			
Snowmore--------	0-4	15-20	1.30-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.32	0.37	2	3	86
	4-13	20-30	1.25-1.45	0.20-0.60	0.17-0.19	Moderate	0.5-2.0	0.32	0.37			
	13-22	25-35	1.40-1.60	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.24	0.32			
	22-29	---	---	0.00-0.01	---		---	---	---			
	29-39	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
2206:												
Coltroop--------	0-5	12-18	1.30-1.45	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.24	0.37	1	4	86
	5-17	20-30	1.35-1.55	0.20-0.60	0.15-0.17	Moderate	0.5-1.0	0.43	0.49			
	17-32	---	---	0.00-0.01	---		---	---	---			
	32-42	---	---	0.00-0.01	---		---	---	---			
Vanwyper--------	0-10	18-25	1.15-1.30	0.60-2.00	0.10-0.13	Moderate	1.0-2.0	0.20	0.37	2	6	48
	10-25	35-55	1.25-1.45	0.06-0.20	0.06-0.10	Moderate	0.0-0.5	0.10	0.43			
	25-29	---	---	0.00-0.01	---		---	---	---			
2310:												
Bulake----------	0-7	18-25	1.30-1.50	0.60-2.00	0.12-0.14	Moderate	1.0-2.0	0.24	0.43	1	6	48
	7-19	40-50	1.20-1.40	0.06-0.20	0.11-0.15	High	0.5-1.0	0.20	0.32			
	19-23	---	---	0.00-0.01	---		---	---	---			
Deunah----------	0-9	15-27	1.20-1.40	0.60-2.00	0.15-0.20	Moderate	1.0-2.0	0.43	0.49	2	6	48
	9-26	60-70	1.25-1.45	0.00-0.06	0.12-0.15	High	0.5-1.0	0.20	0.20			
	26-33	---	---	---	---		---	---	---			
Bulake----------	0-7	15-20	1.35-1.50	0.60-2.00	0.11-0.13	Low	1.0-2.0	0.15	0.43	1	5	56
	7-19	40-50	1.20-1.40	0.06-0.20	0.11-0.15	High	0.5-1.0	0.20	0.32			
	19-23	---	---	0.00-0.01	---		---	---	---			
2311:												
Bulake----------	0-7	15-20	1.35-1.50	0.60-2.00	0.11-0.13	Low	1.0-2.0	0.15	0.43	1	5	56
	7-19	40-50	1.20-1.40	0.06-0.20	0.11-0.15	High	0.5-1.0	0.20	0.32			
	19-23	---	---	0.00-0.01	---		---	---	---			
Hatpeak---------	0-10	15-25	1.10-1.30	0.60-2.00	0.15-0.17	Moderate	1.0-3.0	0.32	0.37	2	5	56
	10-30	35-50	1.25-1.45	0.06-0.20	0.14-0.18	High	0.5-1.0	0.24	0.28			
	30-60	---	---	0.00-0.01	---		---	---	---			
Petan-----------	0-6	18-27	1.40-1.50	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.10	0.49	1	8	---
	6-19	40-60	1.25-1.40	0.00-0.06	0.08-0.10	Moderate	1.0-2.0	0.10	0.32			
	19-20	---	---	0.00-0.01	---		---	---	---			
	20-30	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
2505:												
Buffaran--------	0-5	10-18	1.20-1.35	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.32	0.37	1	3	86
	5-18	35-50	1.15-1.30	0.06-0.20	0.14-0.19	High	0.5-1.0	0.28	0.37			
	18-25	---	---	0.00-0.01	---		---	---	---			
	25-60	---	---	0.00-0.01	---		---	---	---			
Zevadez---------	0-10	10-20	1.30-1.50	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	10-19	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	19-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
2511:												
Bilbo-----------	0-5	5-10	1.30-1.45	2.00-6.00	0.05-0.07	Low	1.0-3.0	0.05	0.37	3	8	---
	5-40	35-50	1.25-1.45	0.06-0.20	0.07-0.09	Moderate	0.0-1.0	0.05	0.37			
	40-60	5-15	1.40-1.60	6.00-20.00	0.03-0.06	Low	0.0-0.5	0.05	0.20			
Alley-----------	0-7	7-15	1.35-1.45	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.15	0.43	5	6	48
	7-20	20-30	1.40-1.50	0.20-0.60	0.14-0.18	Moderate	0.5-1.0	0.15	0.43			
	20-40	5-10	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.15	0.37			
	40-60	5-10	1.45-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.32			
Deepeek---------	0-5	15-20	1.35-1.50	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.17	0.43	1	7	38
	5-18	25-35	1.40-1.60	0.20-0.60	0.10-0.13	Low	0.5-1.0	0.17	0.64			
	18-24	---	---	0.00-0.01	---		---	---	---			
	24-42	10-20	1.50-1.65	0.20-0.60	0.14-0.16	Low	0.0-0.5	0.24	0.43			
2514:												
Bilbo-----------	0-5	10-20	1.30-1.45	0.60-2.00	0.07-0.09	Low	1.0-3.0	0.05	0.49	3	5	56
	5-40	35-50	1.25-1.45	0.06-0.20	0.07-0.09	Moderate	0.5-1.0	0.05	0.37			
	40-60	5-15	1.40-1.60	6.00-20.00	0.03-0.06	Low	0.5-1.0	0.05	0.20			
Susie Creek-----	0-10	10-20	1.15-1.35	0.60-2.00	0.14-0.16	Low	1.0-3.0	0.37	0.49	5	3	86
	10-30	35-55	1.25-1.45	0.06-0.20	0.15-0.19	High	0.0-0.8	0.28	0.32			
	30-60	18-30	1.30-1.50	0.20-0.60	0.14-0.16	Moderate	0.0-0.5	0.28	0.32			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Buffaran	0-5	10-18	1.20-1.35	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.32	0.37	1	3	86
	5-18	35-50	1.15-1.30	0.06-0.20	0.14-0.19	High	0.5-1.0	0.28	0.37			
	18-25	---	---	0.00-0.01	---		---	---	---			
	25-60	---	---	0.00-0.01	---		---	---	---			
2521:												
Dewar	0-4	15-20	1.15-1.25	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.15	0.49	1	5	56
	4-14	27-35	1.20-1.35	0.20-0.60	0.15-0.17	Moderate	0.0-1.0	0.24	0.43			
	14-19	20-27	1.15-1.35	0.60-2.00	0.11-0.13	Low	0.0-0.5	0.20	0.64			
	19-32	---	---	0.00-0.01	---		---	---	---			
	32-60	10-15	1.50-1.70	2.00-6.00	0.10-0.12	Low	0.0-0.5	0.17	0.37			
Chiara	0-6	10-18	1.25-1.40	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.55	0.55	1	3	86
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
Chiara	0-6	10-18	1.25-1.40	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.17	0.55	1	5	56
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.18	Low	0.5-1.0	0.49	0.55			
	17-21	---	---	0.00-0.01	---		---	---	---			
2522:												
Dewar	0-4	15-20	1.15-1.25	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.15	0.49	1	5	56
	4-14	27-35	1.20-1.35	0.20-0.60	0.15-0.17	Moderate	0.0-1.0	0.24	0.43			
	14-19	20-27	1.15-1.35	0.60-2.00	0.11-0.13	Low	0.0-0.5	0.20	0.64			
	19-32	---	---	0.00-0.01	---		---	---	---			
	32-60	10-15	1.50-1.70	2.00-6.00	0.10-0.12	Low	0.0-0.5	0.17	0.37			
Sodhouse	0-6	10-18	1.40-1.55	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.37	0.64	1	6	48
	6-19	10-18	1.40-1.55	0.60-2.00	0.15-0.20	Low	0.0-0.5	0.43	0.49			
	19-25	---	---	0.00-0.01	---		---	---	---			
	25-60	5-15	1.40-1.65	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.15	0.28			
2531:												
Rock Outcrop.												

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Clurde Variant--	0-13	18-27	1.25-1.40	0.60-2.00	0.15-0.18	Moderate	1.0-2.0	0.32	0.37	2	5	56
	13-19	20-25	1.30-1.50	0.20-0.60	0.12-0.16	Moderate	0.5-1.0	0.15	0.28			
	19-32	5-15	1.40-1.60	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.10	0.37			
	32-42	---	---	0.00-0.01	---		---	---	---			
Clurde----------	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
2541:												
Kelk----------	0-13	15-20	1.15-1.30	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.49	0.49	5	3	86
	13-48	18-27	1.40-1.60	0.06-0.20	0.19-0.21	Moderate	0.5-1.0	0.49	0.49			
	48-60	18-27	1.40-1.60	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.49	0.49			
2545:												
Kelk----------	0-13	15-20	1.15-1.30	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.49	0.49	5	3	86
	13-48	18-27	1.40-1.60	0.06-0.20	0.19-0.21	Moderate	0.0-0.5	0.49	0.49			
	48-60	18-27	1.40-1.60	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.49	0.49			
Clurde----------	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
2555:												
Piline----------	0-12	35-40	1.35-1.50	0.06-0.20	0.15-0.17	High	0.0-0.5	0.32	0.32	5	4	86
	12-60	35-50	1.30-1.50	0.00-0.06	0.14-0.17	High	0.0-0.5	0.28	0.28			
2560:												
McCleary--------	0-4	20-27	1.25-1.45	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.49	0.55	5	6	48
	4-60	40-50	1.30-1.45	0.00-0.06	0.14-0.16	High	0.0-0.5	0.32	0.37			
2561:												
McCleary--------	0-5	20-27	1.25-1.45	0.60-2.00	0.15-0.17	Moderate	0.0-0.5	0.28	0.49	5	8	---
	5-60	40-50	1.30-1.45	0.00-0.06	0.15-0.17	High	0.0-0.5	0.32	0.37			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
2571:												
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.55	0.55	1	3	86
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.17-0.19	Low	1.0-2.0	0.28	0.49	1	6	48
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.18	Low	0.5-1.0	0.49	0.55			
	17-21	---	---	0.00-0.01	---		---	---	---			
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.17	0.55	1	5	56
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.18	Low	0.5-1.0	0.49	0.55			
	17-21	---	---	0.00-0.01	---		---	---	---			
2572:												
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.55	0.55	1	3	86
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
Chiara----------	0-4	10-18	1.25-1.40	0.60-2.00	0.19-0.21	Low	1.0-2.0	0.55	0.55	1	5	56
	4-14	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	14-18	---	---	0.00-0.01	---		---	---	---			
2573:												
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.17	0.55	1	5	56
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.18	Low	0.5-1.0	0.49	0.55			
	17-21	---	---	0.00-0.01	---		---	---	---			
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.17-0.19	Low	1.0-2.0	0.28	0.49	1	6	48
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.18	Low	0.5-1.0	0.49	0.55			
	17-21	---	---	0.00-0.01	---		---	---	---			
2575:												
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.55	0.55	1	3	86
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Dacker----------	0-6	10-20	1.30-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.43	0.49	2	3	86
	6-25	27-35	1.25-1.45	0.20-0.60	0.16-0.19	Moderate	0.5-1.0	0.37	0.49			
	25-32	25-33	1.25-1.45	0.20-0.60	0.11-0.15	Moderate	0.0-0.5	0.49	0.64			
	32-60	---	---	0.00-0.01	---		---	---	---			
Shalake---------	0-8	12-18	1.35-1.50	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.28	0.32	2	3	86
	8-25	12-18	1.55-1.75	0.20-0.60	0.11-0.13	Low	0.0-1.0	0.20	0.37			
	25-60	---	---	0.00-0.01	---		---	---	---			
2577:												
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.55	0.55	1	3	86
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
Orovada---------	0-5	10-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.9-2.0	0.49	0.49	5	3	86
	5-29	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.49			
	29-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			
2600:												
Shalake---------	0-8	12-18	1.35-1.50	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.28	0.32	2	3	86
	8-25	12-18	1.55-1.75	0.20-0.60	0.11-0.13	Low	0.0-1.0	0.20	0.37			
	25-60	---	---	0.00-0.01	---		---	---	---			
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.55	0.55	1	3	86
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
Shalake---------	0-8	12-18	1.35-1.50	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.28	0.32	2	3	86
	8-25	12-18	1.55-1.75	0.20-0.60	0.11-0.13	Low	0.0-1.0	0.20	0.37			
	25-60	---	---	0.00-0.01	---		---	---	---			
2611:												
Dacker----------	0-6	15-25	1.30-1.50	0.60-2.00	0.18-0.20	Low	1.0-2.0	0.43	0.49	2	6	48
	6-25	27-35	1.25-1.45	0.20-0.60	0.16-0.19	Moderate	0.5-1.0	0.37	0.49			
	25-32	25-33	1.25-1.45	0.20-0.60	0.11-0.15	Moderate	0.0-0.5	0.49	0.64			
	32-60	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Hunnton---	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
2612:												
Dacker---	0-6	10-20	1.30-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.43	0.49	2	3	86
	6-25	27-35	1.25-1.45	0.20-0.60	0.16-0.19	Moderate	0.5-1.0	0.37	0.49			
	25-32	25-33	1.25-1.45	0.20-0.60	0.11-0.15	Moderate	0.0-0.5	0.49	0.64			
	32-60	---	---	0.00-0.01	---		---	---	---			
Zevadez---	0-10	10-20	1.30-1.50	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	10-19	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	19-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
2615:												
Dacker---	0-6	10-20	1.30-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.43	0.49	2	3	86
	6-25	27-35	1.25-1.45	0.20-0.60	0.16-0.19	Moderate	0.5-1.0	0.37	0.49			
	25-32	25-33	1.25-1.45	0.20-0.60	0.11-0.15	Moderate	0.0-0.5	0.49	0.64			
	32-60	---	---	0.00-0.01	---		---	---	---			
Chiara---	0-6	10-18	1.25-1.40	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.55	0.55	1	3	86
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
2621:												
Gochea---	0-9	10-20	1.30-1.50	0.60-2.00	0.08-0.13	Low	1.0-2.0	0.17	0.32	4	6	48
	9-25	25-35	1.30-1.50	0.20-0.60	0.12-0.18	Moderate	0.5-1.0	0.17	0.28			
	25-30	10-15	1.50-1.70	2.00-6.00	0.09-0.13	Low	0.0-0.5	0.28	0.43			
	30-60	2-5	1.55-1.75	6.00-20.00	0.03-0.05	Low	0.0-0.5	0.10	0.20			
Susie Creek---	0-10	20-27	1.10-1.30	0.60-2.00	0.15-0.17	Moderate	1.0-3.0	0.32	0.37	5	6	48
	10-30	35-55	1.25-1.45	0.06-0.20	0.15-0.19	High	0.0-0.8	0.28	0.32			
	30-60	18-30	1.30-1.50	0.20-0.60	0.14-0.16	Moderate	0.0-0.5	0.28	0.32			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Carstump--------	0-14	12-20	1.25-1.45	0.60-2.00	0.10-0.12	Low	1.0-3.0	0.17	0.43	2	7	38
	14-36	40-55	1.20-1.40	0.06-0.20	0.13-0.15	Moderate	0.5-1.0	0.10	0.43			
	36-40	---	---	0.00-0.01	---		---	---	---			
2641:												
Olac------------	0-4	15-22	1.35-1.50	0.60-2.00	0.07-0.09	Low	1.0-2.0	0.10	0.55	1	8	---
	4-14	23-30	1.25-1.45	0.60-2.00	0.05-0.07	Low	0.5-1.0	0.05	0.43			
	14-18	---	---	0.00-0.01	---		---	---	---			
Snowmore--------	0-4	15-20	1.30-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.32	0.37	2	3	86
	4-13	20-30	1.25-1.45	0.20-0.60	0.17-0.19	Moderate	0.5-2.0	0.32	0.37			
	13-22	25-35	1.40-1.60	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.24	0.32			
	22-29	---	---	0.00-0.01	---		---	---	---			
	29-39	---	---	0.00-0.01	---		---	---	---			
2650:												
Wieland---------	0-4	18-27	1.15-1.30	0.60-2.00	0.10-0.15	Low	1.0-2.0	0.32	0.43	5	6	48
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.32	0.32			
Bartome---------	0-7	12-20	1.20-1.40	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.28	0.28	1	3	86
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			
Zevadez---------	0-10	10-20	1.30-1.50	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	10-19	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	19-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
2651:												
Wieland---------	0-4	8-22	1.25-1.45	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.49	0.55	5	5	56
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.49	0.64			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Buffaran	0-5	10-18	1.20-1.35	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.32	0.37	1	3	86
	5-18	35-50	1.15-1.30	0.06-0.20	0.14-0.19	High	0.5-1.0	0.28	0.37			
	18-25	---	---	0.00-0.01	---		---	---	---			
	25-60	---	---	0.00-0.01	---		---	---	---			
2652:												
Wieland	0-4	8-22	1.25-1.45	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.49	0.55	5	5	56
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.49	0.64			
Dacker	0-6	15-25	1.30-1.50	0.60-2.00	0.18-0.20	Low	1.0-2.0	0.43	0.49	2	6	48
	6-25	27-35	1.25-1.45	0.20-0.60	0.16-0.19	Moderate	0.5-1.0	0.37	0.49			
	25-32	25-33	1.25-1.45	0.20-0.60	0.11-0.15	Moderate	0.0-0.5	0.49	0.64			
	32-60	---	---	0.00-0.01	---		---	---	---			
Zevadez	0-10	10-20	1.30-1.50	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	10-19	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	19-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
2655:												
Wieland	0-4	8-22	1.25-1.45	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.49	0.55	5	5	56
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.49	0.64			
Gumble	0-4	15-20	1.30-1.50	2.00-6.00	0.07-0.10	Low	1.0-2.0	0.15	0.37	2	4	86
	4-18	40-60	1.20-1.40	0.06-0.20	0.14-0.16	High	0.5-1.0	0.20	0.28			
	18-28	---	---	0.00-0.01	---		---	---	---			
Bilbo	0-5	15-25	1.25-1.40	0.60-2.00	0.11-0.13	Moderate	1.0-3.0	0.24	0.43	3	6	48
	5-40	35-50	1.25-1.45	0.06-0.20	0.07-0.09	Moderate	0.5-1.0	0.05	0.37			
	40-60	5-15	1.40-1.60	6.00-20.00	0.03-0.06	Low	0.5-1.0	0.05	0.20			
2656:												
Wieland	0-4	8-22	1.25-1.45	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.49	0.55	5	5	56
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.49	0.64			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Hunnton---------	0-3	10-25	1.20-1.25	0.60-2.00	0.14-0.18	Low	1.0-2.0	0.49	0.55	2	5	56
	3-6	20-30	1.50-1.55	0.20-0.60	0.15-0.21	Moderate	0.5-2.0	0.49	0.49			
	6-36	45-55	1.20-1.25	0.06-0.20	0.10-0.16	High	0.5-1.0	0.28	0.37			
	36-40	---	---	0.00-0.01	---		---	---	---			
Thwoop----------	0-4	14-22	1.15-1.35	0.60-2.00	0.14-0.16	Low	1.0-2.0	0.20	0.55	2	6	48
	4-10	20-27	1.15-1.35	0.60-2.00	0.17-0.19	Moderate	1.0-2.0	0.37	0.43			
	10-25	35-45	1.30-1.45	0.06-0.20	0.08-0.10	Moderate	0.5-1.0	0.05	0.37			
	25-27	---	---	0.00-0.01	---		---	---	---			
	27-37	---	---	0.00-0.01	---		---	---	---			
2658:												
Wieland---------	0-5	18-27	1.15-1.30	0.60-2.00	0.06-0.12	Low	1.0-2.0	0.20	0.64	5	8	---
	5-26	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	26-52	27-35	1.45-1.60	0.06-0.20	0.10-0.17	Moderate	0.0-0.5	0.28	0.55			
	52-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.32	0.32			
2666:												
Puett-----------	0-3	5-10	1.30-1.50	2.00-6.00	0.13-0.15	Low	0.5-1.0	0.28	0.32	2	3	86
	3-10	5-10	1.35-1.55	2.00-6.00	0.13-0.15	Low	0.0-0.5	0.28	0.32			
	10-14	---	---	0.00-0.01	---		---	---	---			
Orovada---------	0-5	10-15	1.35-1.50	0.60-2.00	0.15-0.17	Low	0.9-2.0	0.49	0.49	5	3	86
	5-29	5-18	1.40-1.55	0.60-2.00	0.15-0.17	Low	0.5-1.0	0.43	0.49			
	29-60	5-18	1.40-1.60	0.60-2.00	0.14-0.16	Low	0.0-0.5	0.43	0.49			
2667:												
Rock Outcrop.												
Puett-----------	0-3	10-20	1.30-1.50	2.00-6.00	0.12-0.14	Low	0.5-1.0	0.24	0.43	2	6	48
	3-10	5-10	1.35-1.55	2.00-6.00	0.08-0.15	Low	0.0-0.5	0.15	0.24			
	10-14	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Clurde----------	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
2668:												
Puett----------	0-3	10-20	1.30-1.50	2.00-6.00	0.12-0.14	Low	0.5-1.0	0.24	0.43	2	6	48
	3-10	5-10	1.35-1.55	2.00-6.00	0.08-0.15	Low	0.0-0.5	0.15	0.24			
	10-14	---	---	0.00-0.01	---		---	---	---			
Yuko----------	0-4	10-18	1.35-1.50	2.00-6.00	0.11-0.13	Low	0.8-2.0	0.28	0.32	2	3	86
	4-14	30-40	1.35-1.50	2.00-6.00	0.15-0.17	Moderate	0.0-0.8	0.37	0.43			
	14-18	---	---	0.00-0.01	---		---	---	---			
Zevadez---------	0-10	10-20	1.30-1.50	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	10-19	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	19-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
2710:												
Ramires---------	0-5	15-20	1.30-1.45	0.60-2.00	0.17-0.19	Low	1.0-2.0	0.37	0.43	2	5	56
	5-24	35-40	1.25-1.45	0.06-0.20	0.16-0.19	High	0.5-2.0	0.32	0.49			
	24-40	15-20	1.30-1.50	0.60-2.00	0.09-0.11	Low	0.5-1.0	0.15	0.43			
	40-50	---	---	0.00-0.01	---		---	---	---			
Bartome---------	0-7	12-20	1.20-1.40	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.28	0.28	1	3	86
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			
Bilbo----------	0-5	10-20	1.30-1.45	0.60-2.00	0.07-0.09	Low	1.0-3.0	0.05	0.49	3	5	56
	5-40	35-50	1.25-1.45	0.06-0.20	0.07-0.09	Moderate	0.5-1.0	0.05	0.37			
	40-60	5-15	1.40-1.60	6.00-20.00	0.03-0.06	Low	0.5-1.0	0.05	0.20			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
2711:												
Ramires	0-5	15-20	1.30-1.45	0.60-2.00	0.17-0.19	Low	1.0-2.0	0.37	0.43	2	5	56
	5-24	35-40	1.25-1.45	0.06-0.20	0.16-0.19	High	0.5-2.0	0.32	0.49			
	24-40	15-20	1.30-1.50	0.60-2.00	0.09-0.11	Low	0.5-1.0	0.15	0.43			
	40-50	---	---	0.00-0.01	---		---	---	---			
Bilbo	0-5	10-20	1.30-1.45	0.60-2.00	0.07-0.09	Low	1.0-3.0	0.05	0.49	3	5	56
	5-40	35-50	1.25-1.45	0.06-0.20	0.07-0.09	Moderate	0.5-1.0	0.05	0.37			
	40-60	5-15	1.40-1.60	6.00-20.00	0.03-0.06	Low	0.5-1.0	0.05	0.20			
Buffaran	0-5	10-18	1.20-1.35	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.32	0.37	1	3	86
	5-18	35-50	1.15-1.30	0.06-0.20	0.14-0.19	High	0.5-1.0	0.28	0.37			
	18-25	---	---	0.00-0.01	---		---	---	---			
	25-60	---	---	0.00-0.01	---		---	---	---			
2741:												
Wilsor	0-7	15-20	1.30-1.50	0.60-2.00	0.15-0.18	Low	1.0-2.0	0.32	0.37	4	5	56
	7-17	25-35	1.20-1.40	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.32	0.37			
	17-46	15-25	1.45-1.65	0.60-2.00	0.10-0.12	Moderate	0.0-0.5	0.15	0.37			
	46-56	---	---	0.00-0.01	---		---	---	---			
Wilsor	0-7	15-20	1.30-1.50	0.60-2.00	0.15-0.18	Low	1.0-2.0	0.32	0.37	4	5	56
	7-17	25-35	1.20-1.40	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.32	0.37			
	17-46	15-25	1.45-1.65	0.60-2.00	0.10-0.12	Moderate	0.0-0.5	0.15	0.37			
	46-56	---	---	0.00-0.01	---		---	---	---			
2751:												
Yuko	0-4	10-18	1.35-1.50	2.00-6.00	0.11-0.13	Low	0.8-2.0	0.28	0.32	2	3	86
	4-14	30-40	1.35-1.50	2.00-6.00	0.15-0.17	Moderate	0.0-0.8	0.37	0.43			
	14-18	---	---	0.00-0.01	---		---	---	---			
Chime	0-6	18-25	1.15-1.30	0.60-2.00	0.11-0.16	Moderate	1.0-2.0	0.24	0.43	3	6	48
	6-15	27-35	1.40-1.60	0.20-0.60	0.16-0.18	Moderate	0.5-1.0	0.24	0.32			
	15-22	20-35	1.40-1.60	0.20-0.60	0.13-0.16	Moderate	0.0-0.5	0.24	0.32			
	22-32	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Clurde----------	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
2775:												
Zevadez----------	0-10	10-20	1.30-1.50	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	10-19	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	19-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
Bartome----------	0-7	12-20	1.20-1.40	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.28	0.28	1	3	86
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			
Wieland----------	0-4	8-22	1.25-1.45	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.49	0.55	5	5	56
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.49	0.64			
2776:												
Zevadez----------	0-10	10-20	1.30-1.50	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	10-19	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	19-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.55	0.55	1	3	86
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
2777:												
Zevadez----------	0-10	10-20	1.30-1.50	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	10-19	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	19-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
Wieland----------	0-4	8-22	1.25-1.45	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.49	0.55	5	5	56
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.49	0.64			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Clurde	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
2778:												
Zevadez	0-10	10-20	1.30-1.50	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	10-19	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	19-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
Yuko	0-4	10-18	1.35-1.50	2.00-6.00	0.11-0.13	Low	0.8-2.0	0.28	0.32	2	3	86
	4-14	30-40	1.35-1.50	2.00-6.00	0.15-0.17	Moderate	0.0-0.8	0.37	0.43			
	14-18	---	---	0.00-0.01	---		---	---	---			
Kelk	0-13	15-20	1.15-1.30	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.49	0.49	5	3	86
	13-48	18-27	1.40-1.60	0.06-0.20	0.19-0.21	Moderate	0.0-0.5	0.49	0.49			
	48-60	18-27	1.40-1.60	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.49	0.49			
2780:												
Snowmore	0-4	10-20	1.35-1.50	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.37	2	4	86
	4-13	20-30	1.30-1.50	0.20-0.60	0.17-0.19	Moderate	0.0-0.6	0.32	0.37			
	13-22	25-35	1.40-1.60	0.20-0.60	0.17-0.19	Moderate	0.0-0.6	0.28	0.37			
	22-28	---	---	0.00-0.01	---		---	---	---			
	28-38	---	---	0.00-0.01	---		---	---	---			
Snowmore	0-4	15-20	1.30-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.32	0.37	2	3	86
	4-13	20-30	1.25-1.45	0.20-0.60	0.17-0.19	Moderate	0.5-2.0	0.32	0.37			
	13-22	25-35	1.40-1.60	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.24	0.32			
	22-29	---	---	0.00-0.01	---		---	---	---			
	29-39	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
2781:												
Snowmore	0-4	10-20	1.35-1.50	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.37	2	4	86
	4-13	20-30	1.30-1.50	0.20-0.60	0.17-0.19	Moderate	0.0-0.6	0.32	0.37			
	13-22	25-35	1.40-1.60	0.20-0.60	0.17-0.19	Moderate	0.0-0.6	0.28	0.37			
	22-28	---	---	0.00-0.01	---		---	---	---			
	28-38	---	---	0.00-0.01	---		---	---	---			
Snowmore	0-4	15-25	1.20-1.35	0.60-2.00	0.10-0.12	Moderate	1.0-2.0	0.10	0.37	2	8	---
	4-13	20-30	1.30-1.50	0.20-0.60	0.17-0.19	Moderate	0.0-0.6	0.32	0.37			
	13-22	25-35	1.40-1.60	0.20-0.60	0.17-0.19	Moderate	0.0-0.6	0.28	0.37			
	22-28	---	---	0.00-0.01	---		---	---	---			
	28-38	---	---	0.00-0.01	---		---	---	---			
Snowmore	0-4	15-20	1.30-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.32	0.37	2	3	86
	4-13	20-30	1.25-1.45	0.20-0.60	0.17-0.19	Moderate	0.5-2.0	0.32	0.37			
	13-22	25-35	1.40-1.60	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.24	0.32			
	22-29	---	---	0.00-0.01	---		---	---	---			
	29-39	---	---	0.00-0.01	---		---	---	---			
2782:												
Snowmore	0-4	15-20	1.30-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.32	0.37	2	3	86
	4-13	20-30	1.25-1.45	0.20-0.60	0.17-0.19	Moderate	0.5-2.0	0.32	0.37			
	13-22	25-35	1.40-1.60	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.24	0.32			
	22-29	---	---	0.00-0.01	---		---	---	---			
	29-39	---	---	0.00-0.01	---		---	---	---			
Zevadez	0-10	10-20	1.30-1.50	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.43	0.49	5	3	86
	10-19	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	19-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
Snowmore	0-4	10-20	1.35-1.50	2.00-6.00	0.10-0.12	Low	1.0-2.0	0.17	0.37	2	4	86
	4-13	20-30	1.30-1.50	0.20-0.60	0.17-0.19	Moderate	0.0-0.6	0.32	0.37			
	13-22	25-35	1.40-1.60	0.20-0.60	0.17-0.19	Moderate	0.0-0.6	0.28	0.37			
	22-28	---	---	0.00-0.01	---		---	---	---			
	28-38	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
2783:												
Snowmore	0-4	15-20	1.30-1.50	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.32	0.37	2	3	86
	4-13	20-30	1.25-1.45	0.20-0.60	0.17-0.19	Moderate	0.5-2.0	0.32	0.37			
	13-22	25-35	1.40-1.60	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.24	0.32			
	22-29	---	---	0.00-0.01	---		---	---	---			
	29-39	---	---	0.00-0.01	---		---	---	---			
Willhill	0-6	18-25	1.25-1.45	0.60-2.00	0.12-0.15	Low	1.0-2.0	0.20	0.28	2	6	48
	6-11	27-35	1.30-1.50	0.20-0.60	0.09-0.15	Moderate	0.5-1.0	0.15	0.32			
	11-23	16-25	1.40-1.60	0.60-2.00	0.08-0.10	Low	0.0-0.5	0.10	0.32			
	23-27	---	---	---	---		---	---	---			
2790:												
Old Camp	0-6	10-20	1.30-1.45	0.60-2.00	0.08-0.12	Low	1.0-2.0	0.17	0.43	1	8	---
	6-16	27-35	1.30-1.50	0.20-0.60	0.08-0.11	Low	0.5-1.0	0.10	0.37			
	16-20	---	---	0.00-0.01	---		---	---	---			
Troughs	0-2	20-27	1.25-1.40	0.20-0.60	0.12-0.14	Low	1.0-3.0	0.20	0.37	1	6	48
	2-14	27-35	1.30-1.50	0.20-0.60	0.10-0.18	Moderate	0.5-1.0	0.17	0.37			
	14-20	---	---	---	---		---	---	---			
	20-24	---	---	---	---		---	---	---			
Olac	0-4	15-22	1.35-1.50	0.60-2.00	0.07-0.09	Low	1.0-2.0	0.10	0.55	1	8	---
	4-14	23-30	1.25-1.45	0.60-2.00	0.05-0.07	Low	0.5-1.0	0.05	0.43			
	14-18	---	---	0.00-0.01	---		---	---	---			
2801:												
Bartome	0-7	12-20	1.20-1.40	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.28	0.28	1	3	86
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			
Alley	0-7	10-20	1.30-1.40	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.20	0.37	5	6	48
	7-20	20-30	1.40-1.50	0.20-0.60	0.14-0.17	Moderate	0.0-0.5	0.20	0.37			
	20-40	10-20	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.20	0.49			
	40-60	5-10	1.45-1.55	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.05	0.32			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Clurde----------	0-6	15-20	1.35-1.50	0.60-2.00	0.14-0.17	Low	1.0-2.0	0.28	0.49	4	3	86
	6-29	18-23	1.30-1.50	0.20-0.60	0.13-0.16	Moderate	0.0-1.0	0.24	0.43			
	29-43	15-20	1.40-1.60	2.00-6.00	0.10-0.13	Low	0.0-0.5	0.15	0.17			
	43-60	5-10	1.50-1.70	6.00-20.00	0.06-0.08	Low	0.0-0.5	0.15	0.24			
2802:												
Bartome---------	0-7	12-20	1.20-1.40	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.28	0.28	1	3	86
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			
Buffaran--------	0-5	10-18	1.20-1.35	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.32	0.37	1	3	86
	5-18	35-50	1.15-1.30	0.06-0.20	0.14-0.19	High	0.5-1.0	0.28	0.37			
	18-25	---	---	0.00-0.01	---		---	---	---			
	25-60	---	---	0.00-0.01	---		---	---	---			
2803:												
Bartome---------	0-7	12-20	1.20-1.40	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.28	0.28	1	3	86
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			
Buffaran--------	0-5	10-18	1.20-1.35	0.60-2.00	0.13-0.17	Low	1.0-2.0	0.32	0.37	1	3	86
	5-18	35-50	1.15-1.30	0.06-0.20	0.14-0.19	High	0.5-1.0	0.28	0.37			
	18-25	---	---	0.00-0.01	---		---	---	---			
	25-60	---	---	0.00-0.01	---		---	---	---			
Ramires---------	0-5	15-20	1.30-1.45	0.60-2.00	0.17-0.19	Low	1.0-2.0	0.37	0.43	2	5	56
	5-24	35-40	1.25-1.45	0.06-0.20	0.16-0.19	High	0.5-2.0	0.32	0.49			
	24-40	15-20	1.30-1.50	0.60-2.00	0.09-0.11	Low	0.5-1.0	0.15	0.43			
	40-50	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
2804:												
Bartome	0-7	12-20	1.20-1.40	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.28	0.28	1	3	86
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			
Chiara	0-6	10-18	1.25-1.40	0.60-2.00	0.16-0.18	Low	1.0-2.0	0.55	0.55	1	3	86
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
2805:												
Bartome	0-7	12-20	1.20-1.40	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.28	0.28	1	3	86
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			
2807:												
Bartome	0-7	12-20	1.20-1.40	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.28	0.28	1	3	86
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			
Coltroop	0-5	15-20	1.30-1.45	2.00-6.00	0.13-0.15	Low	1.0-2.0	0.37	0.43	1	3	86
	5-17	20-30	1.35-1.55	0.20-0.60	0.15-0.17	Moderate	0.5-1.0	0.43	0.49			
	17-32	---	---	0.00-0.01	---		---	---	---			
	32-42	---	---	0.00-0.01	---		---	---	---			
Zevadez	0-10	15-25	1.20-1.40	0.60-2.00	0.14-0.16	Low	1.0-2.0	0.32	0.55	5	6	48
	10-19	20-35	1.30-1.50	0.20-0.60	0.16-0.20	Moderate	0.0-0.6	0.24	0.43			
	19-60	10-20	1.65-1.80	0.06-0.20	0.13-0.17	Low	0.0-0.6	0.43	0.49			
2808:												
Bartome	0-7	12-20	1.20-1.40	0.60-2.00	0.13-0.17	Moderate	1.0-2.0	0.28	0.28	1	3	86
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Susie Creek-----	0-10	10-20	1.15-1.35	0.60-2.00	0.14-0.16	Low	1.0-3.0	0.37	0.49	5	3	86
	10-30	35-55	1.25-1.45	0.06-0.20	0.15-0.19	High	0.0-0.8	0.28	0.32			
	30-60	18-30	1.30-1.50	0.20-0.60	0.14-0.16	Moderate	0.0-0.5	0.28	0.32			
Wieland---------	0-4	5-20	1.25-1.45	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.55	0.64	5	3	86
	4-30	40-55	1.25-1.40	0.06-0.20	0.09-0.13	High	0.5-1.0	0.28	0.43			
	30-60	10-20	1.45-1.65	0.60-2.00	0.09-0.16	Low	0.0-0.5	0.49	0.64			
2809:												
Bartome---------	0-7	12-20	1.20-1.40	0.60-2.00	0.18-0.20	Moderate	1.0-2.0	0.28	0.28	1	5	56
	7-14	27-35	1.40-1.60	0.20-0.60	0.16-0.21	Moderate	0.0-0.6	0.32	0.32			
	14-28	---	---	0.00-0.01	---		---	---	---			
	28-42	---	---	0.00-0.01	---		---	---	---			
Dacker----------	0-6	15-25	1.30-1.50	0.60-2.00	0.18-0.20	Low	1.0-2.0	0.43	0.49	2	6	48
	6-25	27-35	1.25-1.45	0.20-0.60	0.16-0.19	Moderate	0.5-1.0	0.37	0.49			
	25-32	25-33	1.25-1.45	0.20-0.60	0.11-0.15	Moderate	0.0-0.5	0.49	0.64			
	32-60	---	---	0.00-0.01	---		---	---	---			
2820:												
Rock Outcrop.												
Alley-----------	0-7	7-15	1.35-1.45	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.15	0.43	5	6	48
	7-20	20-30	1.40-1.50	0.20-0.60	0.14-0.18	Moderate	0.5-1.0	0.15	0.43			
	20-40	5-10	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.15	0.37			
	40-60	5-10	1.45-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.32			
Vanwyper--------	0-10	18-25	1.15-1.30	0.60-2.00	0.10-0.13	Moderate	1.0-2.0	0.20	0.37	2	6	48
	10-25	35-55	1.25-1.45	0.06-0.20	0.06-0.10	Moderate	0.0-0.5	0.10	0.43			
	25-29	---	---	0.00-0.01	---		---	---	---			
2822:												
Rock Outcrop.												
Rubble Land.												

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Alley----------	0-7	7-15	1.35-1.45	0.60-2.00	0.12-0.14	Low	1.0-2.0	0.15	0.43	5	6	48
	7-20	20-30	1.40-1.50	0.20-0.60	0.14-0.18	Moderate	0.5-1.0	0.15	0.43			
	20-40	5-10	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.15	0.37			
	40-60	5-10	1.45-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.32			
3000:												
Handy----------	0-10	10-25	1.30-1.50	0.60-2.00	0.14-0.16	Low	1.0-2.0	0.32	0.37	5	5	56
	10-28	40-50	1.25-1.40	0.06-0.20	0.10-0.14	High	0.5-1.0	0.20	0.37			
	28-60	5-15	1.35-1.55	2.00-6.00	0.09-0.11	Low	0.0-0.5	0.15	0.32			
Wilsor----------	0-7	15-20	1.30-1.50	0.60-2.00	0.15-0.18	Low	1.0-2.0	0.32	0.37	4	5	56
	7-17	25-35	1.20-1.40	0.20-0.60	0.17-0.19	Moderate	0.5-1.0	0.32	0.37			
	17-46	15-25	1.45-1.65	0.60-2.00	0.10-0.12	Moderate	0.0-0.5	0.15	0.37			
	46-56	---	---	0.00-0.01	---		---	---	---			
Deseed----------	0-4	15-25	1.15-1.30	0.60-2.00	0.13-0.15	Moderate	1.0-3.0	0.24	0.43	2	7	38
	4-26	35-45	1.35-1.50	0.06-0.20	0.10-0.13	High	0.5-2.0	0.17	0.32			
	26-30	---	---	0.00-0.01	---		---	---	---			
3010:												
Relley----------	0-6	18-27	1.25-1.45	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.55	0.55	5	4L	86
	6-14	18-27	1.25-1.45	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.55	0.55			
	14-25	18-27	1.25-1.45	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.55	0.55			
	25-60	18-27	1.25-1.45	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.55	0.55			
Kelk----------	0-13	15-20	1.15-1.30	0.60-2.00	0.15-0.17	Low	1.0-2.0	0.49	0.49	5	3	86
	13-48	18-27	1.40-1.60	0.06-0.20	0.19-0.21	Moderate	0.0-0.5	0.49	0.49			
	48-60	18-27	1.40-1.60	0.60-2.00	0.18-0.20	Moderate	0.0-0.5	0.49	0.49			
3020:												
Sodhouse--------	0-6	10-18	1.40-1.55	0.60-2.00	0.18-0.21	Low	0.0-0.5	0.55	0.55	1	5	56
	6-19	10-18	1.40-1.55	0.60-2.00	0.15-0.20	Low	0.0-0.5	0.43	0.49			
	19-25	---	---	0.00-0.01	---		---	---	---			
	25-56	5-15	1.45-1.65	2.00-6.00	0.07-0.09	Low	0.0-0.5	0.15	0.28			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Chiara----------	0-6	10-18	1.25-1.40	0.60-2.00	0.19-0.21	Low	1.0-2.0	0.55	0.55	1	5	56
	6-17	10-18	1.35-1.55	0.60-2.00	0.16-0.19	Low	0.5-1.0	0.49	0.49			
	17-21	---	---	0.00-0.01	---		---	---	---			
3030:												
Deepeek---------	0-5	15-20	1.35-1.50	0.60-2.00	0.10-0.12	Low	1.0-2.0	0.17	0.43	1	7	38
	5-18	25-35	1.40-1.60	0.20-0.60	0.10-0.13	Low	0.5-1.0	0.17	0.64			
	18-24	---	---	0.00-0.01	---		---	---	---			
	24-42	10-20	1.50-1.65	0.20-0.60	0.14-0.16	Low	0.0-0.5	0.24	0.43			
Alley----------	0-7	10-20	1.35-1.45	2.00-6.00	0.11-0.13	Low	1.0-2.0	0.05	0.49	5	5	56
	7-20	20-30	1.40-1.50	0.20-0.60	0.14-0.18	Moderate	0.5-1.0	0.15	0.43			
	20-40	5-10	1.45-1.55	0.20-0.60	0.11-0.13	Low	0.0-0.5	0.15	0.37			
	40-60	5-10	1.45-1.55	2.00-6.00	0.06-0.08	Low	0.0-0.5	0.05	0.32			
3100:												
Ratsow----------	0-7	15-20	1.15-1.30	0.60-2.00	0.13-0.18	Moderate	1.0-2.0	0.28	0.43	2	5	56
	7-29	35-50	1.30-1.50	0.06-0.20	0.14-0.20	High	0.0-0.8	0.28	0.32			
	29-30	---	---	0.00-0.01	---		---	---	---			
	30-34	---	---	0.00-0.01	---		---	---	---			
Quarz----------	0-6	15-27	1.10-1.25	0.60-2.00	0.07-0.12	Low	2.0-3.0	0.10	0.32	2	3	86
	6-15	30-40	1.25-1.40	0.20-0.60	0.08-0.14	Low	1.0-2.0	0.10	0.24			
	15-21	35-55	1.20-1.40	0.06-0.20	0.06-0.10	Moderate	0.5-1.0	0.10	0.37			
	21-25	---	---	0.00-0.01	---		---	---	---			
Susie Creek-----	0-10	20-27	1.10-1.30	0.60-2.00	0.15-0.17	Moderate	1.0-3.0	0.32	0.37	5	6	48
	10-30	35-55	1.25-1.45	0.06-0.20	0.15-0.19	High	0.0-0.8	0.28	0.32			
	30-60	18-30	1.30-1.50	0.20-0.60	0.14-0.16	Moderate	0.0-0.5	0.28	0.32			
3510:												
Midraw----------	0-2	18-25	1.20-1.40	0.60-2.00	0.14-0.16	Moderate	1.0-2.0	0.24	0.43	1	6	48
	2-19	35-45	1.35-1.50	0.06-0.20	0.14-0.16	High	0.0-0.6	0.20	0.37			
	19-25	---	---	0.00-0.01	---		---	---	---			
	25-29	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
Troughs	0-2	20-27	1.25-1.40	0.20-0.60	0.12-0.14	Low	1.0-3.0	0.20	0.37	1	6	48
	2-14	27-35	1.30-1.50	0.20-0.60	0.10-0.18	Moderate	0.5-1.0	0.17	0.37			
	14-19	18-32	1.30-1.50	0.20-0.60	0.06-0.10	Low	0.0-0.5	0.10	0.37			
	19-20	---	---	---	---		---	---	---			
	20-24	---	---	---	---		---	---	---			
Midraw	0-2	18-25	1.20-1.40	0.60-2.00	0.14-0.16	Moderate	1.0-2.0	0.24	0.43	1	6	48
	2-19	35-45	1.35-1.50	0.06-0.20	0.14-0.16	High	0.0-0.6	0.20	0.37			
	19-25	---	---	0.00-0.01	---		---	---	---			
	25-29	---	---	0.00-0.01	---		---	---	---			
3710:												
Rock Outcrop.												
Petan	0-6	18-27	1.40-1.50	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.10	0.49	1	8	---
	6-19	40-60	1.25-1.40	0.00-0.06	0.08-0.10	Moderate	1.0-2.0	0.10	0.32			
	19-20	---	---	0.00-0.01	---		---	---	---			
	20-30	---	---	0.00-0.01	---		---	---	---			
Bulake	0-7	18-25	1.30-1.50	0.60-2.00	0.12-0.14	Moderate	1.0-2.0	0.24	0.43	1	6	48
	7-19	40-50	1.20-1.40	0.06-0.20	0.11-0.15	High	0.5-1.0	0.20	0.32			
	19-23	---	---	0.00-0.01	---		---	---	---			
3715:												
Petan	0-6	18-27	1.40-1.50	0.60-2.00	0.10-0.12	Low	2.0-3.0	0.10	0.49	1	8	---
	6-19	40-60	1.25-1.40	0.00-0.06	0.08-0.10	Moderate	1.0-2.0	0.10	0.32			
	19-20	---	---	0.00-0.01	---		---	---	---			
	20-30	---	---	0.00-0.01	---		---	---	---			
Deunah	0-9	15-27	1.20-1.40	0.60-2.00	0.15-0.20	Moderate	1.0-2.0	0.43	0.49	2	6	48
	9-26	60-70	1.25-1.45	0.00-0.06	0.12-0.15	High	0.5-1.0	0.20	0.20			
	26-33	---	---	---	---		---	---	---			
Hatpeak	0-10	15-25	1.10-1.30	0.60-2.00	0.15-0.17	Moderate	1.0-3.0	0.32	0.37	2	5	56
	10-30	35-50	1.25-1.45	0.06-0.20	0.14-0.18	High	0.5-1.0	0.24	0.28			
	30-60	---	---	0.00-0.01	---		---	---	---			

TABLE 16.--PHYSICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
3721:												
Hatpeak---------	0-10	15-25	1.10-1.30	0.60-2.00	0.15-0.17	Moderate	1.0-3.0	0.32	0.37	2	5	56
	10-30	35-50	1.25-1.45	0.06-0.20	0.14-0.18	High	0.5-1.0	0.24	0.28			
	30-60	---	---	0.00-0.01	---		---	---	---			
Deunah----------	0-9	15-27	1.20-1.40	0.60-2.00	0.15-0.20	Moderate	1.0-2.0	0.43	0.49	2	6	48
	9-26	60-70	1.25-1.45	0.00-0.06	0.12-0.15	High	0.5-1.0	0.20	0.20			
	26-33	---	---	---	---		---	---	---			
3722:												
Hatpeak---------	0-10	15-25	1.10-1.30	0.60-2.00	0.15-0.17	Moderate	1.0-3.0	0.32	0.37	2	5	56
	10-30	35-50	1.25-1.45	0.06-0.20	0.14-0.18	High	0.5-1.0	0.24	0.28			
	30-60	---	---	0.00-0.01	---		---	---	---			
Hatpeak---------	0-10	15-25	1.10-1.30	0.60-2.00	0.15-0.17	Moderate	1.0-3.0	0.32	0.37	2	5	56
	10-30	35-50	1.25-1.45	0.06-0.20	0.14-0.18	High	0.5-1.0	0.24	0.28			
	30-60	---	---	0.00-0.01	---		---	---	---			

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1:								
Rubble Land-----	0-60	---	---	---	---	---	---	---
120:								
Cotant----------	0-3	27-40	25.0-35.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
Lerrow----------	0-9	20-25	15.0-20.0	6.6-7.3	---	---	---	---
	9-14	30-40	20.0-25.0	6.6-7.3	---	---	---	---
	14-27	40-55	25.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
Cotant----------	0-3	27-40	25.0-35.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
126:								
Cotant----------	0-3	20-27	20.0-25.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
Lerrow----------	0-9	20-25	15.0-20.0	6.6-7.3	---	---	---	---
	9-14	30-40	20.0-25.0	6.6-7.3	---	---	---	---
	14-27	40-55	25.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
Akler-----------	0-4	18-25	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	50-60	30.0-35.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
127:								
Cotant----------	0-3	27-40	25.0-35.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Lerrow----------	0-9	20-25	15.0-20.0	6.6-7.3	---	---	---	---
	9-14	30-40	20.0-25.0	6.6-7.3	---	---	---	---
	14-27	40-55	25.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
128:								
Cotant----------	0-3	20-27	20.0-25.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
Graley----------	0-12	10-18	10.0-20.0	6.6-7.8	---	---	---	---
	12-17	35-45	25.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
129:								
Cotant----------	0-3	27-40	25.0-35.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
Chen----------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Crooked Creek---	0-4	27-30	20.0-25.0	6.6-8.4	---	---	0-2	---
	4-37	35-50	20.0-35.0	6.6-8.4	---	---	0-2	---
	37-60	25-40	15.0-30.0	6.6-8.4	---	---	0-2	---
130:								
Cotant----------	0-3	27-40	25.0-35.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
Booford---------	0-10	15-25	13.0-23.0	6.1-7.3	---	---	---	---
	10-19	35-50	30.0-46.0	6.6-7.3	---	---	---	---
	19-36	40-60	33.0-52.0	6.1-7.3	---	---	---	---
	36-46	---	---	---	---	---	---	---
140:								
Upville---------	0-10	15-22	13.0-21.0	6.6-7.3	---	---	---	---
	10-21	15-27	10.0-20.0	6.6-7.3	---	---	---	---
	21-60	0-5	0.0-4.0	6.6-7.3	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Upville---------	0-10	15-22	15.0-25.0	6.6-7.3	---	---	---	---
	10-21	15-27	10.0-20.0	6.6-7.3	---	---	---	---
	21-60	0-5	0.0-5.0	6.6-7.3	---	---	---	---
141:								
Upville---------	0-12	15-22	15.0-25.0	6.6-7.3	---	---	---	---
	12-26	15-27	10.0-20.0	6.6-7.3	---	---	---	---
	26-60	0-5	0.0-5.0	6.6-7.3	---	---	---	---
Kleckner--------	0-8	15-25	13.0-21.0	6.1-7.3	---	---	---	---
	8-20	35-50	30.0-44.0	6.1-7.3	---	---	---	---
	20-42	35-50	29.0-42.0	6.6-7.8	---	---	---	---
	42-60	15-20	9.0-13.0	6.6-7.8	---	---	---	---
150:								
Gochea----------	0-9	10-20	10.0-15.0	6.6-7.8	---	---	---	---
	9-25	25-35	15.0-25.0	7.4-7.8	---	---	---	---
	25-30	10-15	5.0-10.0	7.4-7.8	---	---	---	---
	30-60	2-5	0.0-5.0	7.4-7.8	0-1	---	---	---
161:								
Sonoma----------	0-12	20-27	15.0-20.0	7.9-9.0	3-15	---	0-4	1-5
	12-60	25-35	20.0-25.0	7.9-9.0	3-15	0-1	0-4	5-12
162:								
Sonoma----------	0-12	20-27	15.0-25.0	7.4-8.4	3-12	---	2-8	5-12
	12-60	25-35	15.0-30.0	7.9-9.0	3-12	---	2-8	0-12
184:								
Crooked Creek---	0-3	27-30	20.0-25.0	6.6-8.4	---	---	0-2	---
	3-37	35-50	20.0-35.0	6.6-8.4	---	---	0-2	---
	37-60	25-40	15.0-30.0	6.6-8.4	---	---	0-2	---
185:								
Crooked Creek---	0-4	27-30	20.0-25.0	6.6-8.4	---	---	0-2	---
	4-37	35-50	20.0-35.0	6.6-8.4	---	---	0-2	---
	37-60	25-40	15.0-30.0	6.6-8.4	---	---	0-2	---
Crooked Creek---	0-4	27-30	20.0-25.0	6.6-8.4	---	---	0-2	---
	4-37	35-50	20.0-35.0	6.6-8.4	---	---	0-2	---
	37-60	25-40	15.0-30.0	6.6-8.4	---	---	0-2	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
186:								
Crooked Creek---	0-4	27-30	20.0-25.0	6.6-8.4	---	---	0-2	---
	4-37	35-50	20.0-35.0	6.6-8.4	---	---	0-2	---
	37-60	25-40	15.0-30.0	6.6-8.4	---	---	0-2	---
Crooked Creek---	0-4	27-30	20.0-25.0	6.6-8.4	---	---	0-2	---
	4-37	35-50	20.0-35.0	6.6-8.4	---	---	0-2	---
	37-60	25-40	15.0-30.0	6.6-8.4	---	---	0-2	---
Crooked Creek---	0-4	30-40	25.0-35.0	6.6-8.4	---	---	0-2	---
	4-37	35-50	25.0-40.0	6.6-8.4	---	---	0-2	---
	37-60	30-40	20.0-30.0	6.6-8.4	---	---	0-2	---
188:								
Crooked Creek---	0-4	27-30	20.0-25.0	6.6-8.4	---	---	0-2	---
	4-37	35-50	20.0-35.0	6.6-8.4	---	---	0-2	---
	37-60	25-40	15.0-30.0	6.6-8.4	---	---	0-2	---
Welch-----------	0-10	15-20	15.0-20.0	6.1-7.3	---	---	---	---
	10-60	27-35	25.0-35.0	6.1-7.8	---	---	---	---
Crooked Creek---	0-4	30-40	25.0-35.0	6.6-8.4	---	---	0-2	---
	4-37	35-50	25.0-40.0	6.6-8.4	---	---	0-2	---
	37-60	30-40	20.0-30.0	6.6-8.4	---	---	0-2	---
190:								
Heechee---------	0-7	15-27	15.0-25.0	6.6-7.3	---	---	---	---
	7-27	25-35	20.0-30.0	6.1-7.3	---	---	---	---
	27-61	10-20	10.0-15.0	6.1-7.3	---	---	---	---
Heechee---------	0-7	15-27	15.0-25.0	6.6-7.3	---	---	---	---
	7-27	25-35	20.0-30.0	6.6-7.3	---	---	---	---
	27-61	10-25	10.0-15.0	6.6-7.3	---	---	---	---
200:								
Lynnbow---------	0-4	18-25	15.0-21.0	6.1-7.3	---	---	---	---
	4-26	50-60	42.0-54.0	6.6-7.8	---	---	0-2	---
	26-40	40-55	33.0-46.0	7.9-8.4	1-5	---	0-2	---
	40-58	15-25	9.0-16.0	7.9-8.4	1-5	---	0-2	---
	58-68	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Rugar-----------	0-2	15-27	14.0-32.0	6.1-7.3	---	---	---	---
	2-20	27-35	20.0-32.0	6.1-7.3	---	---	---	---
	20-43	40-55	28.0-45.0	6.1-7.3	---	---	---	---
	43-47	---	---	---	---	---	---	---
201:								
Lynnbow---------	0-4	18-25	15.0-21.0	6.1-7.3	---	---	---	---
	4-26	50-60	42.0-54.0	6.6-7.8	---	---	0-2	---
	26-40	40-55	33.0-46.0	7.9-8.4	1-5	---	0-2	---
	40-58	15-25	9.0-16.0	7.9-8.4	1-5	---	0-2	---
	58-68	---	---	---	---	---	---	---
Lerrow----------	0-9	20-25	15.0-20.0	6.6-7.3	---	---	---	---
	9-14	30-40	20.0-25.0	6.6-7.3	---	---	---	---
	14-27	40-55	25.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
Crooked Creek---	0-4	27-30	20.0-25.0	6.6-8.4	---	---	0-2	---
	4-37	35-50	20.0-35.0	6.6-8.4	---	---	0-2	---
	37-60	25-40	15.0-30.0	6.6-8.4	---	---	0-2	---
210:								
Soonaker--------	0-3	5-15	5.0-13.0	6.6-7.3	---	---	---	---
	3-16	18-25	12.0-17.0	6.6-7.3	---	---	---	---
	16-24	10-25	6.0-16.0	6.6-7.8	---	---	---	---
	24-28	---	---	---	---	---	---	---
Bulake----------	0-7	18-25	13.0-19.0	6.6-7.3	---	---	---	---
	7-19	40-50	33.0-42.0	6.6-7.3	---	---	---	---
	19-23	---	---	---	---	---	---	---
220:								
Cavanaugh-------	0-5	20-25	16.0-24.0	6.1-7.3	---	---	---	---
	5-9	35-50	26.0-40.0	6.1-7.8	---	---	---	---
	9-21	35-50	25.0-36.0	6.1-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---
Rugar-----------	0-2	27-35	23.0-38.0	6.1-7.3	---	---	---	---
	2-20	27-35	20.0-32.0	6.1-7.3	---	---	---	---
	20-43	40-55	28.0-45.0	6.1-7.3	---	---	---	---
	43-47	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
McIvey----------	0-16	20-27	15.0-30.0	6.6-7.3	---	---	---	---
	16-29	30-40	20.0-30.0	6.1-7.3	---	---	---	---
	29-65	40-50	25.0-30.0	6.1-7.3	---	---	---	---
221:								
Cavanaugh-------	0-5	20-25	16.0-24.0	6.1-7.3	---	---	---	---
	5-9	35-50	26.0-40.0	6.1-7.8	---	---	---	---
	9-21	35-50	25.0-36.0	6.1-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---
Quarz-----------	0-6	20-27	15.0-25.0	6.6-7.8	---	---	---	---
	6-21	35-55	30.0-55.0	6.6-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---
Alyan-----------	0-9	27-35	20.0-35.0	6.6-7.8	---	---	---	---
	9-16	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	16-28	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	28-32	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---
233:								
Bioya-----------	0-10	8-18	10.0-20.0	7.4-8.4	---	---	0-2	---
	10-36	18-27	10.0-20.0	7.4-9.6	1-5	---	2-4	5-12
	36-60	---	---	---	---	---	---	---
Bilbo-----------	0-5	15-25	10.0-25.0	6.6-7.8	---	---	---	---
	5-40	35-50	20.0-40.0	6.6-7.8	---	---	0-2	0-12
	40-60	5-15	5.0-10.0	7.4-8.4	10-20	---	0-2	1-12
Chiara----------	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-40	---	---	---	---	---	---	---
234:								
Bioya-----------	0-10	8-18	10.0-20.0	7.4-8.4	---	---	0-2	---
	10-36	18-27	10.0-20.0	7.4-9.6	1-5	---	2-4	5-12
	36-60	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Shabliss--------	0-10	5-15	4.0-13.0	6.6-8.4	0-5	---	0-4	---
	10-16	---	---	---	---	---	---	---
	16-35	5-18	3.0-12.0	7.9-9.0	5-15	---	4-8	1-12
	35-60	5-15	3.0-10.0	7.9-9.0	5-15	---	4-8	1-12
Puett-----------	0-3	5-15	5.0-17.0	7.9-9.0	1-5	---	0-2	0-5
	3-10	5-10	5.0-12.0	7.9-9.0	1-5	---	0-2	5-12
	10-14	---	---	---	---	---	---	---
235:								
Bioya-----------	0-10	8-18	10.0-20.0	7.4-8.4	---	---	0-2	---
	10-36	18-27	10.0-20.0	7.4-9.6	1-5	---	2-4	5-12
	36-60	---	---	---	---	---	---	---
Trunk-----------	0-5	10-20	10.0-20.0	6.6-7.8	---	---	---	0-5
	5-23	35-50	20.0-40.0	6.6-9.0	0-5	---	0-2	0-12
	23-27	---	---	---	---	---	---	---
Alley-----------	0-7	7-15	6.0-19.0	6.6-7.3	---	---	---	---
	7-20	20-30	17.0-20.0	7.4-8.4	---	---	2-4	1-5
	20-40	5-10	3.0-7.0	7.9-9.0	1-5	---	4-8	5-12
	40-60	5-10	3.0-7.0	7.9-9.0	1-5	---	4-8	5-12
236:								
Bioya-----------	0-10	8-18	10.0-20.0	7.4-8.4	---	---	0-2	---
	10-36	18-27	10.0-20.0	7.4-9.6	1-5	---	2-4	5-12
	36-60	---	---	---	---	---	---	---
Wieland---------	0-4	8-22	10.0-20.0	7.4-8.4	---	---	0-2	0-5
	4-30	40-55	25.0-45.0	7.4-9.0	0-5	---	0-4	2-12
	30-60	10-20	5.0-15.0	7.9-9.0	5-20	---	0-8	2-12
Kleckner--------	0-8	15-25	13.0-21.0	6.1-7.3	---	---	---	---
	8-20	35-50	30.0-44.0	6.1-7.3	---	---	---	---
	20-42	35-50	29.0-42.0	6.6-7.8	---	---	---	---
	42-60	15-20	9.0-13.0	6.6-7.8	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
241:								
Wickahoney------	0-2	20-25	15.0-25.0	6.1-7.3	---	---	---	---
	2-6	25-35	20.0-30.0	6.1-7.8	---	---	---	---
	6-14	35-55	25.0-40.0	6.1-7.8	---	---	---	---
	14-18	---	---	---	---	---	---	---
Deunah----------	0-9	15-27	15.0-25.0	5.6-7.3	---	---	---	---
	9-26	60-70	40.0-60.0	6.6-7.8	---	---	---	---
	26-33	---	---	---	---	---	---	---
Petan-----------	0-6	18-27	15.0-22.0	6.1-7.8	---	---	---	---
	6-19	40-60	34.0-52.0	6.1-7.8	---	---	---	---
	19-20	---	---	---	---	---	---	---
	20-30	---	---	---	---	---	---	---
270:								
Pernty----------	0-5	18-25	15.0-20.0	6.6-7.3	---	---	---	---
	5-14	25-35	15.0-20.0	6.6-7.3	---	---	---	---
	14-18	---	---	---	---	---	---	---
Loncan----------	0-17	18-27	15.0-20.0	6.6-7.3	---	---	---	---
	17-30	18-27	10.0-15.0	6.6-7.3	---	---	---	---
	30-34	---	---	---	---	---	---	---
Pernty----------	0-5	18-25	15.0-20.0	6.6-7.3	---	---	---	---
	5-14	25-35	15.0-20.0	6.6-7.3	---	---	---	---
	14-18	---	---	---	---	---	---	---
280:								
Humboldt--------	0-12	30-40	15.0-40.0	8.5-9.0	1-10	---	4-32	13-45
	12-52	35-45	20.0-35.0	7.9-9.0	1-10	---	2-32	13-30
	52-60	20-35	10.0-30.0	7.9-9.0	1-10	---	2-32	1-12
308:								
Akler-----------	0-4	18-25	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	50-60	30.0-35.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Pattani---------	0-14	40-50	34.0-38.0	6.6-7.8	---	---	---	---
	14-37	35-50	28.0-42.0	7.9-9.0	1-10	---	---	1-5
	37-41	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Cotant----------	0-3	18-27	10.0-25.0	6.6-7.8	---	---	---	---
	3-20	40-60	25.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
309:								
Akler----------	0-4	18-25	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	50-60	30.0-35.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Susie Creek-----	0-10	20-27	16.0-25.0	6.6-7.3	---	---	---	---
	10-30	35-55	24.0-40.0	6.6-7.8	---	---	---	---
	30-60	18-30	12.0-22.0	7.4-9.0	0-3	---	0-2	0-5
457:								
Donna----------	0-10	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	10-30	60-70	45.0-55.0	6.6-7.3	---	---	---	---
	30-48	---	---	---	---	---	---	---
	48-60	15-25	10.0-15.0	7.4-8.4	0-5	---	0-4	---
Stampede--------	0-16	20-25	15.0-25.0	6.1-7.3	---	---	---	---
	16-37	40-55	25.0-35.0	6.6-7.8	---	---	---	---
	37-60	---	---	---	---	---	---	---
Short Creek-----	0-8	30-35	20.0-25.0	6.6-7.3	---	---	---	---
	8-23	40-50	25.0-30.0	6.6-8.4	---	---	---	---
	23-60	30-40	20.0-25.0	7.9-9.0	1-5	---	---	---
458:								
Donna----------	0-10	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	10-30	60-70	45.0-55.0	6.6-7.3	---	---	---	---
	30-48	---	---	---	---	---	---	---
	48-60	15-25	10.0-15.0	7.4-8.4	0-5	---	0-4	---
Stampede--------	0-16	20-25	15.0-25.0	6.1-7.3	---	---	---	---
	16-37	40-55	25.0-35.0	6.6-7.8	---	---	---	---
	37-60	---	---	---	---	---	---	---
464:								
Stampede--------	0-16	18-27	15.0-25.0	6.1-7.3	---	---	---	---
	16-37	40-55	25.0-35.0	6.6-7.8	---	---	---	---
	37-60	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
570:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Cleavage	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---
571:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Tusel	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
Gando	0-9	10-18	10.0-15.0	7.4-8.4	---	---	---	---
	9-17	10-18	5.0-10.0	7.9-8.4	1-10	---	0-2	---
	17-21	---	---	---	---	---	---	---
572:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Reluctan	0-9	14-18	10.0-20.0	6.6-7.8	---	---	---	---
	9-27	25-35	20.0-35.0	6.6-7.8	---	---	---	---
	27-37	---	---	---	---	---	---	---
Cleavage	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
576:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---
Cleavage	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
577:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---
Chen	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
578:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Tusel	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
579:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Pernty	0-5	20-25	16.0-21.0	6.6-7.3	---	---	---	---
	5-14	25-35	17.0-25.0	6.6-7.3	---	---	---	---
	14-18	---	---	---	---	---	---	---
Tusel	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
580:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Pie Creek	0-5	15-25	13.0-21.0	6.6-7.3	---	---	---	---
	5-23	60-70	50.0-60.0	6.6-7.3	---	---	---	---
	23-27	---	---	---	---	---	---	---
Reluctan	0-9	15-22	15.0-25.0	6.6-7.8	---	---	---	---
	9-27	25-35	15.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
581:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---
Cleavage	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
582:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Tusel	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
Cleavage	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
583:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---
Pernty	0-5	18-25	15.0-20.0	6.6-7.3	---	---	---	---
	5-14	25-35	15.0-20.0	6.6-7.3	---	---	---	---
	14-18	---	---	---	---	---	---	---
584:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Tusel	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
585:								
Rock Outcrop.								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Rubble Land	0-60	---	---	---	---	---	---	---
586:								
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Loncan	0-17	18-27	15.0-20.0	6.6-7.3	---	---	---	---
	17-30	18-27	10.0-15.0	6.6-7.3	---	---	---	---
	30-34	---	---	---	---	---	---	---
Cleavage	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
600:								
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---
Bullump	0-12	15-25	15.0-30.0	6.1-7.8	---	---	---	---
	12-46	25-35	10.0-25.0	6.1-7.8	---	---	---	---
	46-50	---	---	---	---	---	---	---
Gando	0-9	10-18	10.0-15.0	7.4-8.4	---	---	---	---
	9-17	10-18	5.0-10.0	7.9-8.4	1-10	---	0-2	---
	17-21	---	---	---	---	---	---	---
601:								
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Blitzen---------	0-10	20-27	14.0-22.0	6.6-7.8	---	---	---	---
	10-33	35-60	30.0-52.0	6.6-7.8	---	---	---	---
	33-37	---	---	---	---	---	---	---
Tusel-----------	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
602:								
Hapgood---------	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---
Hackwood--------	0-26	10-27	12.0-35.0	6.1-7.3	---	---	---	---
	26-34	15-27	12.0-30.0	6.1-7.3	---	---	---	---
	34-60	25-35	20.0-35.0	6.1-7.3	---	---	---	---
Tusel-----------	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
623:								
Rock Outcrop.								
Soughe----------	0-10	10-20	10.0-25.0	6.6-8.4	---	---	---	0-5
	10-19	25-35	20.0-30.0	6.6-8.4	---	---	0-2	0-5
	19-23	---	---	---	---	---	---	---
624:								
Rock Outcrop.								
Soughe----------	0-13	10-20	10.0-25.0	6.6-8.4	---	---	---	0-5
	13-20	25-35	20.0-30.0	6.6-8.4	---	---	0-2	0-5
	20-24	---	---	---	---	---	---	---
Soughe----------	0-13	10-20	10.0-25.0	6.6-8.4	---	---	---	0-5
	13-20	25-35	20.0-30.0	6.6-8.4	---	---	0-2	0-5
	20-24	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
625:								
Soughe	0-13	10-20	10.0-25.0	6.6-8.4	---	---	---	0-5
	13-20	25-35	20.0-30.0	6.6-8.4	---	---	0-2	0-5
	20-24	---	---	---	---	---	---	---
Alyan	0-9	18-27	15.0-22.0	6.6-7.8	---	---	---	---
	9-16	40-55	33.0-48.0	6.6-7.8	---	---	---	---
	16-28	40-55	33.0-46.0	6.6-7.8	---	---	---	---
	28-32	40-55	32.0-45.0	6.6-7.8	---	---	---	---
	32-42	---	---	---	---	---	---	---
Shalper	0-2	18-26	11.0-25.0	6.6-7.3	---	---	---	---
	2-11	24-35	12.0-25.0	6.6-7.3	---	---	---	---
	11-15	---	---	---	---	---	---	---
626:								
Soughe	0-13	10-20	10.0-25.0	6.6-8.4	---	---	---	0-5
	13-20	25-35	20.0-30.0	6.6-8.4	---	---	0-2	0-5
	20-24	---	---	---	---	---	---	---
Vanwyper	0-10	18-25	15.0-25.0	6.6-7.8	---	---	---	---
	10-25	35-55	20.0-45.0	6.6-7.8	---	---	---	0-5
	25-29	---	---	---	---	---	---	---
Soughe	0-13	10-20	10.0-25.0	6.6-8.4	---	---	---	0-5
	13-20	25-35	20.0-30.0	6.6-8.4	---	---	0-2	0-5
	20-24	---	---	---	---	---	---	---
690:								
Welch	0-10	15-20	15.0-20.0	6.1-7.3	---	---	---	---
	10-60	27-35	25.0-35.0	6.1-7.8	---	---	---	---
Welch	0-10	15-20	25.0-35.0	6.1-7.3	---	---	---	---
	10-60	27-35	20.0-40.0	6.1-7.8	---	---	---	---
920:								
Bullump	0-12	15-25	15.0-30.0	6.1-7.8	---	---	---	---
	12-46	25-35	10.0-25.0	6.1-7.8	---	---	---	---
	46-50	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Gando----------	0-9	10-18	10.0-15.0	7.4-8.4	---	---	---	---
	9-17	10-18	5.0-10.0	7.9-8.4	1-10	---	0-2	---
	17-21	---	---	---	---	---	---	---
Tusel----------	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
921:								
Bullump---------	0-12	15-25	15.0-30.0	6.1-7.8	---	---	---	---
	12-46	25-35	10.0-25.0	6.1-7.8	---	---	---	---
	46-50	---	---	---	---	---	---	---
Hackwood--------	0-26	10-27	12.0-35.0	6.1-7.3	---	---	---	---
	26-34	15-27	12.0-30.0	6.1-7.3	---	---	---	---
	34-60	25-35	20.0-35.0	6.1-7.3	---	---	---	---
Cleavage--------	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
922:								
Bullump---------	0-12	15-25	15.0-30.0	6.1-7.8	---	---	---	---
	12-46	25-35	10.0-25.0	6.1-7.8	---	---	---	---
	46-50	---	---	---	---	---	---	---
Cleavage--------	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Hapgood---------	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---
1130:								
Clementine------	0-3	15-25	20.0-35.0	6.6-7.3	---	---	---	0-5
	3-44	25-35	25.0-45.0	6.6-9.0	0-5	---	0-2	1-12
	44-60	25-33	20.0-35.0	7.9-9.0	1-5	---	0-2	1-12

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1131:								
Clementine------	0-3	15-25	20.0-35.0	6.6-7.3	---	---	---	0-5
	3-44	25-35	25.0-45.0	6.6-9.0	0-5	---	0-2	1-12
	44-60	25-33	20.0-35.0	7.9-9.0	1-5	---	0-2	1-12
Clementine------	0-3	15-25	20.0-35.0	6.6-7.3	---	---	---	0-5
	3-44	25-35	25.0-45.0	6.6-9.0	0-5	---	0-2	1-12
	44-60	25-33	20.0-35.0	7.9-9.0	1-5	---	0-2	1-12
Clementine------	0-3	15-25	20.0-35.0	6.6-7.3	---	---	---	0-5
	3-44	25-35	25.0-45.0	6.6-9.0	0-1	---	---	0-5
	44-60	25-33	20.0-35.0	7.9-9.0	1-5	---	0-2	0-5
1135:								
Clementine------	0-3	15-25	20.0-35.0	6.6-7.3	---	---	---	0-5
	3-44	25-35	25.0-45.0	6.6-9.0	0-5	---	0-2	1-12
	44-60	25-33	20.0-35.0	7.9-9.0	1-5	---	0-2	1-12
Clurde----------	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5
1150:								
Clurde----------	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5
Wieland---------	0-4	18-27	15.0-30.0	7.4-8.4	---	---	0-2	---
	4-30	40-55	30.0-60.0	7.4-9.0	0-5	---	0-4	---
	30-60	10-20	20.0-40.0	7.9-9.0	5-20	---	0-8	0-5
1155:								
Clurde----------	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1156:								
Clurde----------	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5
Kortty----------	0-6	8-15	5.0-15.0	7.9-9.0	---	---	0-2	5-12
	6-12	25-35	15.0-30.0	8.5-9.0	---	---	0-2	5-12
	12-42	15-25	10.0-20.0	7.9-9.0	0-5	---	0-8	13-30
	42-55	10-20	5.0-15.0	7.9-9.0	1-5	---	0-4	13-45
	55-60	---	---	---	---	---	---	---
1157:								
Clurde----------	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5
Zevadez---------	0-10	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	10-26	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	26-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---
Chiara----------	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-40	---	---	---	---	---	---	---
1190:								
Cherry Spring---	0-8	10-15	8.0-13.0	6.6-7.8	---	---	---	---
	8-23	20-35	13.0-23.0	7.4-9.0	0-5	---	---	1-5
	23-45	---	---	---	---	---	---	---
Enko----------	0-8	10-18	10.0-20.0	6.6-8.4	---	---	0-4	0-5
	8-15	10-18	10.0-20.0	6.6-8.4	---	---	0-4	0-5
	15-38	10-18	5.0-15.0	7.4-9.0	1-5	---	4-16	13-45
	38-60	10-18	5.0-15.0	7.9-9.6	1-5	---	4-16	13-45
1191:								
Cherry Spring---	0-8	10-20	8.0-16.0	6.6-7.8	---	---	---	---
	8-23	20-35	13.0-23.0	7.4-9.0	0-5	---	---	1-5
	23-45	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Wieland---------	0-4	18-27	15.0-30.0	7.4-8.4	---	---	0-2	---
	4-30	40-55	30.0-60.0	7.4-9.0	0-5	---	0-4	---
	30-60	10-20	20.0-40.0	7.9-9.0	5-20	---	0-8	0-5
1193:								
Cherry Spring---	0-8	10-15	8.0-13.0	6.6-7.8	---	---	---	---
	8-23	20-35	13.0-23.0	7.4-9.0	0-5	---	---	1-5
	23-45	---	---	---	---	---	---	---
Hunnton---------	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
Chiara----------	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-40	---	---	---	---	---	---	---
1210:								
Skull Creek-----	0-6	8-18	8.0-18.0	7.4-8.4	---	---	---	---
	6-34	8-18	6.0-15.0	7.9-9.0	0-10	---	0-4	0-5
	34-38	---	---	---	---	---	---	---
Shabliss--------	0-10	5-15	4.0-13.0	6.6-8.4	0-5	---	0-4	---
	10-16	---	---	---	---	---	---	---
	16-35	5-18	3.0-12.0	7.9-9.0	5-15	---	4-8	1-12
	35-60	5-15	3.0-10.0	7.9-9.0	5-15	---	4-8	1-12
Puett-----------	0-3	5-10	4.0-9.0	7.9-9.0	1-5	---	0-2	---
	3-10	5-10	3.0-8.0	7.9-9.0	1-5	---	0-2	0-5
	10-14	---	---	---	---	---	---	---
1220:								
Hunnton---------	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Hunnton---------	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
Fulstone--------	0-5	10-20	10.0-15.0	6.1-7.3	---	---	---	---
	5-17	45-60	35.0-60.0	6.6-8.4	---	---	0-2	---
	17-40	---	---	---	---	---	---	---
1221:								
Hunnton---------	0-3	20-27	15.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
Hunnton---------	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
Fulstone--------	0-5	18-25	20.0-25.0	6.1-7.3	---	---	---	---
	5-17	45-60	35.0-60.0	6.6-8.4	---	---	0-2	---
	17-40	---	---	---	---	---	---	---
1223:								
Hunnton---------	0-3	20-27	15.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
Shabliss--------	0-10	5-15	4.0-13.0	6.6-8.4	0-5	---	0-4	---
	10-16	---	---	---	---	---	---	---
	16-35	5-18	3.0-12.0	7.9-9.0	5-15	---	4-8	1-12
	35-60	5-15	3.0-10.0	7.9-9.0	5-15	---	4-8	1-12
Puett-----------	0-3	4-10	3.0-8.0	7.9-9.0	5-10	---	0-2	---
	3-10	8-15	5.0-11.0	7.9-9.0	5-10	---	0-2	1-12
	10-20	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1224:								
Hunnton	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
Trunk	0-5	15-27	10.0-25.0	6.6-7.8	---	---	---	0-5
	5-23	35-50	20.0-45.0	6.6-9.0	0-5	---	0-2	0-12
	23-27	---	---	---	---	---	---	---
Shabliss	0-10	7-15	6.0-13.0	6.6-8.4	0-5	---	0-4	---
	10-16	---	---	---	---	---	---	---
	16-35	5-18	3.0-12.0	7.9-9.0	5-15	---	4-8	1-12
	35-60	5-15	3.0-10.0	7.9-9.0	5-15	---	4-8	1-12
1226:								
Hunnton	0-3	20-27	15.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
Wieland	0-4	18-27	15.0-30.0	7.4-8.4	---	---	0-2	---
	4-30	40-55	30.0-60.0	7.4-9.0	0-5	---	0-4	---
	30-60	10-20	20.0-40.0	7.9-9.0	5-20	---	0-8	0-5
Clementine	0-3	15-25	20.0-35.0	6.6-7.3	---	---	---	0-5
	3-44	25-35	25.0-45.0	6.6-9.0	0-5	---	0-2	1-12
	44-60	25-33	20.0-35.0	7.9-9.0	1-5	---	0-2	1-12
1227:								
Hunnton	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
Chiara	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-40	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Bilbo----------	0-5	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	5-40	35-50	20.0-30.0	6.6-7.8	---	---	---	0-12
	40-60	5-15	0.0-10.0	7.4-8.4	5-10	---	0-2	1-12
1228:								
Hunnton----------	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
Hunnton----------	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
1229:								
Hunnton----------	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-44	---	---	---	---	---	---	---
Chiara----------	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-40	---	---	---	---	---	---	---
Wieland----------	0-4	8-18	10.0-20.0	7.4-8.4	---	---	0-2	0-5
	4-30	40-55	25.0-45.0	7.4-9.0	0-5	---	0-4	2-12
	30-60	10-20	5.0-15.0	7.9-9.0	5-20	---	0-8	2-12
1230:								
Fulstone---------	0-5	18-25	20.0-25.0	6.1-7.3	---	---	---	---
	5-17	45-60	35.0-60.0	6.6-8.4	---	---	0-2	---
	17-40	---	---	---	---	---	---	---
Hunnton----------	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1231:								
Fulstone--------	0-5	18-25	20.0-25.0	6.1-7.3	---	---	---	---
	5-17	45-60	35.0-60.0	6.6-8.4	---	---	0-2	---
	17-40	---	---	---	---	---	---	---
Fulstone--------	0-5	18-25	20.0-25.0	6.1-7.3	---	---	---	---
	5-17	45-60	35.0-60.0	6.6-8.4	---	---	0-2	---
	17-40	---	---	---	---	---	---	---
Hunnton---------	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
1232:								
Fulstone--------	0-5	18-25	20.0-25.0	6.1-7.3	---	---	---	---
	5-17	45-60	35.0-60.0	6.6-8.4	---	---	0-2	---
	17-40	---	---	---	---	---	---	---
Fulstone--------	0-5	10-20	10.0-15.0	6.1-7.3	---	---	---	---
	5-17	45-60	35.0-60.0	6.6-8.4	---	---	0-2	---
	17-40	---	---	---	---	---	---	---
Wieland---------	0-4	8-22	10.0-20.0	7.4-8.4	---	---	0-2	0-5
	4-30	40-55	25.0-45.0	7.4-9.0	0-5	---	0-4	2-12
	30-60	10-20	5.0-15.0	7.9-9.0	5-20	---	0-8	2-12
1241:								
Enko------------	0-8	10-18	10.0-25.0	6.6-8.4	---	---	0-4	0-5
	8-15	10-18	10.0-25.0	6.6-8.4	---	---	0-4	1-12
	15-38	10-18	10.0-25.0	7.4-9.0	0-15	---	4-16	5-12
	38-60	10-18	10.0-25.0	7.9-9.6	0-5	---	4-16	13-30
Shabliss--------	0-10	5-15	4.0-13.0	6.6-8.4	0-5	---	0-4	---
	10-16	---	---	---	---	---	---	---
	16-35	5-18	3.0-12.0	7.9-9.0	5-15	---	4-8	1-12
	35-60	5-15	3.0-10.0	7.9-9.0	5-15	---	4-8	1-12
Orovada---------	0-5	10-15	15.0-20.0	6.6-8.4	---	---	---	0-5
	5-29	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	0-5
	29-60	5-18	10.0-20.0	7.9-9.6	1-15	---	4-16	1-12

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1242:								
Enko	0-8	10-18	10.0-25.0	6.6-8.4	---	---	0-4	0-5
	8-15	10-18	10.0-25.0	6.6-8.4	---	---	0-4	1-12
	15-38	10-18	10.0-25.0	7.4-9.0	0-15	---	4-16	5-12
	38-60	10-18	10.0-25.0	7.9-9.6	0-5	---	4-16	13-30
Enko	0-8	10-18	10.0-25.0	6.6-8.4	---	---	0-4	0-5
	8-15	10-18	10.0-25.0	6.6-8.4	---	---	0-4	1-12
	15-38	10-18	10.0-25.0	7.4-9.0	0-15	---	4-16	5-12
	38-60	10-18	10.0-25.0	7.9-9.6	0-5	---	4-16	13-30
1260:								
Kleckner	0-8	15-25	13.0-21.0	6.1-7.3	---	---	---	---
	8-20	35-50	30.0-44.0	6.1-7.3	---	---	---	---
	20-42	35-50	29.0-42.0	6.6-7.8	---	---	---	---
	42-60	15-20	9.0-13.0	6.6-7.8	---	---	---	---
Upville	0-10	15-22	15.0-25.0	6.6-7.3	---	---	---	---
	10-19	15-27	10.0-20.0	6.6-7.3	---	---	---	---
	19-61	0-5	0.0-5.0	6.6-7.3	---	---	---	---
Fulstone	0-5	18-25	20.0-25.0	6.1-7.3	---	---	---	---
	5-17	45-60	35.0-60.0	6.6-8.4	---	---	0-2	---
	17-40	---	---	---	---	---	---	---
1261:								
Kleckner	0-8	15-25	13.0-21.0	6.1-7.3	---	---	---	---
	8-20	35-50	30.0-44.0	6.1-7.3	---	---	---	---
	20-42	35-50	29.0-42.0	6.6-7.8	---	---	---	---
	42-60	15-20	9.0-13.0	6.6-7.8	---	---	---	---
Heechee	0-7	15-27	15.0-25.0	6.6-7.3	---	---	---	---
	7-27	25-35	20.0-30.0	6.6-7.3	---	---	---	---
	27-61	10-25	10.0-15.0	6.6-7.3	---	---	---	---
1290:								
Tweba	0-15	10-20	15.0-20.0	7.4-9.0	1-10	---	0-4	1-12
	15-27	10-15	5.0-15.0	7.4-9.0	1-10	---	0-4	1-12
	27-60	5-10	0.0-10.0	7.4-9.0	1-10	---	0-2	1-5

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1350:								
Shabliss--------	0-10	7-15	6.0-13.0	6.6-8.4	0-5	---	0-4	---
	10-16	---	---	---	---	---	---	---
	16-35	5-18	3.0-12.0	7.9-9.0	5-15	---	4-8	1-12
	35-60	5-15	3.0-10.0	7.9-9.0	5-15	---	4-8	1-12
Hunnton---------	0-3	20-27	15.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
Bioya-----------	0-10	8-18	10.0-20.0	7.4-8.4	---	---	0-2	---
	10-36	18-27	10.0-20.0	7.4-9.6	1-5	---	2-4	5-12
	36-60	---	---	---	---	---	---	---
1351:								
Shabliss--------	0-10	5-15	4.0-13.0	6.6-8.4	0-5	---	0-4	---
	10-16	---	---	---	---	---	---	---
	16-35	5-18	3.0-12.0	7.9-9.0	5-15	---	4-8	1-12
	35-60	5-15	3.0-10.0	7.9-9.0	5-15	---	4-8	1-12
Bartome---------	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---
1352:								
Shabliss--------	0-10	5-15	4.0-13.0	6.6-8.4	0-5	---	0-4	---
	10-16	---	---	---	---	---	---	---
	16-35	5-18	3.0-12.0	7.9-9.0	5-15	---	4-8	1-12
	35-60	5-15	3.0-10.0	7.9-9.0	5-15	---	4-8	1-12
Skull Creek-----	0-6	8-18	8.0-18.0	7.4-8.4	---	---	---	---
	6-34	8-18	6.0-15.0	7.9-9.0	0-10	---	0-4	0-5
	34-38	---	---	---	---	---	---	---
Puett-----------	0-3	8-15	6.0-11.0	7.9-9.0	5-10	---	0-2	---
	3-10	8-15	5.0-11.0	7.9-9.0	5-10	---	0-2	1-12
	10-20	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1360:								
Orovada---------	0-5	10-15	15.0-20.0	6.6-8.4	---	---	---	0-5
	5-29	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	1-12
	29-60	5-18	10.0-20.0	7.9-9.6	0-10	0-2	4-16	13-45
1362:								
Orovada---------	0-5	10-15	15.0-20.0	6.6-8.4	---	---	---	0-5
	5-29	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	0-5
	29-60	5-18	10.0-20.0	7.9-9.6	1-15	---	4-16	1-12
Clurde----------	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5
Wieland---------	0-4	8-22	10.0-20.0	7.4-8.4	---	---	0-2	0-5
	4-30	40-55	25.0-45.0	7.4-9.0	0-5	---	0-4	2-12
	30-60	10-20	5.0-15.0	7.9-9.0	5-20	---	0-8	2-12
1363:								
Orovada---------	0-5	10-15	15.0-20.0	6.6-8.4	---	---	---	0-5
	5-29	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	1-12
	29-60	5-18	10.0-20.0	7.9-9.6	0-10	0-2	4-16	13-45
Tweba-----------	0-5	10-20	10.0-20.0	7.4-9.0	0-1	---	0-4	1-5
	5-35	10-15	7.0-13.0	7.4-9.6	1-10	---	0-4	5-12
	35-60	5-10	3.0-7.0	7.4-9.0	0-10	---	0-2	1-12
Weso------------	0-6	5-18	7.0-25.0	7.9-9.0	---	---	0-4	1-12
	6-12	5-20	5.0-25.0	7.9-9.0	---	---	0-8	5-12
	12-25	4-15	2.0-15.0	7.9-9.0	1-4	---	0-8	13-45
	25-60	4-12	2.0-10.0	7.9-9.0	0-5	---	4-16	13-45
1530:								
Creemon---------	0-8	5-10	5.0-10.0	7.9-9.0	0-5	---	2-4	13-30
	8-14	8-18	7.0-15.0	7.9-9.0	5-10	---	4-32	13-30
	14-47	8-18	7.0-15.0	7.9-9.0	5-10	---	8-32	31-90
	47-60	5-10	4.0-8.0	8.5-9.0	5-10	---	8-32	31-90
Placeritos------	0-13	18-27	20.0-40.0	7.9-8.4	1-5	---	0-2	1-12
	13-60	18-27	20.0-35.0	7.9-9.0	5-10	0-1	0-4	13-30

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1572:								
Weso	0-6	5-18	7.0-25.0	7.9-9.0	---	---	0-4	1-12
	6-12	5-20	5.0-25.0	7.9-9.0	---	---	0-8	5-12
	12-25	4-15	2.0-15.0	7.9-9.0	1-4	---	0-8	13-45
	25-60	4-12	2.0-10.0	7.9-9.0	0-5	---	4-16	13-45
Orovada	0-5	10-15	15.0-20.0	6.6-8.4	---	---	---	0-5
	5-29	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	0-5
	29-60	5-18	10.0-20.0	7.9-9.6	1-15	---	4-16	1-12
Shabliss	0-10	5-15	4.0-13.0	6.6-8.4	0-5	---	0-4	---
	10-16	---	---	---	---	---	---	---
	16-35	5-18	3.0-12.0	7.9-9.0	5-15	---	4-8	1-12
	35-60	5-15	3.0-10.0	7.9-9.0	5-15	---	4-8	1-12
1573:								
Weso	0-6	5-18	7.0-25.0	7.9-9.0	---	---	0-4	1-12
	6-12	5-20	5.0-25.0	7.9-9.0	---	---	0-8	5-12
	12-25	4-15	2.0-15.0	7.9-9.0	1-4	---	0-8	13-45
	25-60	4-12	2.0-10.0	7.9-9.0	0-5	---	4-16	13-45
Orovada	0-5	10-15	15.0-20.0	6.6-8.4	---	---	---	0-5
	5-29	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	0-5
	29-60	5-18	10.0-20.0	7.9-9.6	1-15	---	4-16	1-12
Tweba	0-5	10-20	10.0-20.0	7.4-9.0	0-1	---	0-4	1-5
	5-35	10-15	7.0-13.0	7.4-9.6	1-10	---	0-4	5-12
	35-60	5-10	3.0-7.0	7.4-9.0	0-10	---	0-2	1-12
1617:								
Cleavage	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Tweener---------	0-5	15-20	11.0-16.0	6.6-7.3	---	---	---	---
	5-8	25-40	17.0-36.0	6.6-7.3	---	---	---	---
	8-18	---	---	---	---	---	---	---
1618:								
Cleavage--------	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Sumine----------	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Pequop----------	0-12	12-23	11.0-24.0	6.6-7.3	---	---	---	---
	12-50	20-35	14.0-27.0	6.6-7.8	---	---	---	---
	50-60	15-25	10.0-17.0	6.6-7.8	---	---	---	---
1619:								
Cleavage--------	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Tusk------------	0-14	10-27	10.0-25.0	6.6-7.3	---	---	---	---
	14-38	27-35	20.0-35.0	6.6-7.8	---	---	---	---
	38-60	20-35	15.0-30.0	7.4-7.8	---	---	---	---
Sumine----------	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
1621:								
Cleavage--------	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Graley----------	0-12	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	12-17	35-45	20.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Cleavage	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
1622:								
Cleavage	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---
1623:								
Cleavage	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Hapgood	0-13	15-25	15.0-25.0	6.1-7.3	---	---	---	---
	13-41	18-27	15.0-20.0	6.1-7.3	---	---	---	---
	41-55	10-15	5.0-10.0	6.1-7.3	---	---	---	---
	55-59	---	---	---	---	---	---	---
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
1625:								
Cleavage	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Ninemile	0-4	20-27	14.0-20.0	6.1-7.8	---	---	---	---
	4-19	40-60	38.0-52.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Sumine----------	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
1626:								
Cleavage--------	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Carstump--------	0-14	12-20	10.0-20.0	6.6-7.3	---	---	---	---
	14-36	40-55	35.0-45.0	6.6-9.0	1-5	---	0-2	---
	36-40	---	---	---	---	---	---	---
Chen------------	0-7	15-25	13.0-21.0	6.1-7.8	---	---	---	---
	7-15	40-55	33.0-52.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
1628:								
Cleavage--------	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Chen------------	0-7	15-25	13.0-21.0	6.1-7.8	---	---	---	---
	7-15	40-55	33.0-52.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Reluctan--------	0-9	15-22	15.0-25.0	6.6-7.8	---	---	---	---
	9-27	25-35	15.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
1640:								
Tusk------------	0-14	10-27	10.0-25.0	6.6-7.3	---	---	---	---
	14-38	27-35	20.0-35.0	6.6-7.8	---	---	---	---
	38-60	20-35	15.0-30.0	7.4-7.8	---	---	---	---
Cleavage--------	0-4	15-25	10.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-28	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Hackwood--------	0-26	10-27	12.0-35.0	6.1-7.3	---	---	---	---
	26-34	15-27	12.0-30.0	6.1-7.3	---	---	---	---
	34-60	25-35	20.0-35.0	6.1-7.3	---	---	---	---
1650:								
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Tusk------------	0-14	10-27	10.0-25.0	6.6-7.3	---	---	---	---
	14-38	27-35	20.0-35.0	6.6-7.8	---	---	---	---
	38-60	20-35	15.0-30.0	7.4-7.8	---	---	---	---
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
1651:								
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Reluctan--------	0-9	14-18	10.0-20.0	6.6-7.8	---	---	---	---
	9-27	25-35	20.0-35.0	6.6-7.8	---	---	---	---
	27-37	---	---	---	---	---	---	---
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
1652:								
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Graley----------	0-12	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	12-17	35-45	20.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
1653:								
Ninemile--------	0-4	20-27	14.0-20.0	6.1-7.8	---	---	---	---
	4-19	40-60	38.0-52.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Reluctan--------	0-9	15-22	15.0-25.0	6.6-7.8	---	---	---	---
	9-27	25-35	15.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
Graley----------	0-7	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	7-17	35-45	20.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
1655:								
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Thwoop----------	0-4	14-22	10.0-17.0	6.6-7.8	---	---	---	---
	4-10	20-27	14.0-20.0	6.6-7.8	---	---	---	---
	10-25	35-45	29.0-38.0	6.6-7.8	0-5	---	---	---
	25-27	---	---	---	---	---	---	---
	27-37	---	---	---	---	---	---	---
Pequop----------	0-12	12-23	11.0-24.0	6.6-7.3	---	---	---	---
	12-50	20-35	14.0-27.0	6.6-7.8	---	---	---	---
	50-60	15-25	10.0-17.0	6.6-7.8	---	---	---	---
1656:								
Ninemile--------	0-4	20-27	14.0-20.0	6.1-7.8	---	---	---	---
	4-19	40-60	38.0-52.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Pequop----------	0-12	12-23	11.0-24.0	6.6-7.3	---	---	---	---
	12-50	20-35	14.0-27.0	6.6-7.8	---	---	---	---
	50-60	15-25	10.0-17.0	6.6-7.8	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Gumble----------	0-4	15-20	11.0-16.0	6.6-7.8	---	---	---	---
	4-18	40-60	33.0-50.0	7.4-8.4	0-5	---	0-2	---
	18-22	---	---	---	---	---	---	---
1657:								
Ninemile--------	0-4	20-27	14.0-20.0	6.1-7.8	---	---	---	---
	4-19	40-60	38.0-52.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Alyan----------	0-9	18-27	10.0-25.0	6.6-7.8	---	---	---	---
	9-16	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	16-28	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	28-32	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---
1658:								
Ninemile--------	0-4	20-27	14.0-20.0	6.1-7.8	---	---	---	---
	4-19	40-60	38.0-52.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Vanwyper--------	0-10	18-25	15.0-25.0	6.6-7.8	---	---	---	---
	10-25	35-55	20.0-45.0	6.6-7.8	---	---	---	0-5
	25-29	---	---	---	---	---	---	---
Ninemile--------	0-4	20-27	14.0-20.0	6.1-7.8	---	---	---	---
	4-19	40-60	38.0-52.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
1659:								
Ninemile--------	0-4	20-27	14.0-20.0	6.1-7.8	---	---	---	---
	4-19	40-60	38.0-52.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Carstump--------	0-14	12-20	10.0-20.0	6.6-7.3	---	---	---	---
	14-36	40-55	35.0-45.0	6.6-9.0	1-5	---	0-2	---
	36-40	---	---	---	---	---	---	---
1660:								
Susie Creek-----	0-10	20-27	16.0-25.0	6.6-7.3	---	---	---	---
	10-30	35-55	24.0-40.0	6.6-7.8	---	---	---	---
	30-60	18-30	12.0-22.0	7.4-9.0	0-3	---	0-2	0-5

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Pie Creek-------	0-5	10-20	10.0-18.0	6.6-7.3	---	---	---	---
	5-23	60-70	50.0-60.0	6.6-7.3	---	---	---	---
	23-27	---	---	---	---	---	---	---
Pattani---------	0-14	40-50	34.0-38.0	6.6-7.8	---	---	---	---
	14-37	35-50	28.0-42.0	7.9-9.0	1-10	---	---	1-5
	37-41	---	---	---	---	---	---	---
1671:								
Linkup----------	0-3	10-24	5.0-20.0	6.1-7.3	---	---	---	---
	3-5	27-45	15.0-30.0	6.1-7.3	---	---	---	---
	5-17	40-55	25.0-35.0	6.1-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
Carstump--------	0-14	15-25	10.0-25.0	6.6-7.3	---	---	---	---
	14-36	40-55	35.0-45.0	6.6-9.0	1-5	---	0-2	---
	36-60	---	---	---	---	---	---	---
Linkup----------	0-3	10-20	5.0-15.0	6.1-7.3	---	---	---	---
	3-5	27-45	15.0-30.0	6.1-7.3	---	---	---	---
	5-17	40-55	25.0-35.0	6.1-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
1672:								
Linkup----------	0-3	10-20	5.0-15.0	6.1-7.3	---	---	---	---
	3-5	27-45	15.0-30.0	6.1-7.3	---	---	---	---
	5-17	40-55	25.0-35.0	6.1-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
Carstump--------	0-14	12-20	10.0-20.0	6.6-7.3	---	---	---	---
	14-36	40-55	35.0-45.0	6.6-9.0	1-5	---	0-2	---
	36-40	---	---	---	---	---	---	---
Linkup----------	0-3	10-20	5.0-15.0	6.1-7.3	---	---	---	---
	3-5	27-45	15.0-30.0	6.1-7.3	---	---	---	---
	5-17	40-55	25.0-35.0	6.1-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1673:								
Linkup----------	0-3	14-20	10.0-15.0	6.1-7.3	---	---	---	---
	3-5	27-45	15.0-30.0	6.6-7.3	---	---	---	---
	5-17	40-55	25.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
Quarz----------	0-6	20-27	15.0-25.0	6.6-7.8	---	---	---	---
	6-21	35-55	30.0-55.0	6.6-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---
Alyan----------	0-9	18-27	15.0-22.0	6.6-7.8	---	---	---	---
	9-16	40-55	33.0-48.0	6.6-7.8	---	---	---	---
	16-28	40-55	33.0-46.0	6.6-7.8	---	---	---	---
	28-32	40-55	32.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---
1675:								
Linkup----------	0-3	27-33	20.0-25.0	6.6-7.3	---	---	---	---
	3-5	27-45	15.0-30.0	6.6-7.3	---	---	---	---
	5-17	40-55	25.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
Snowmore--------	0-4	15-20	15.0-20.0	6.6-7.8	---	---	0-2	0-5
	4-13	20-30	15.0-30.0	7.4-7.8	---	---	0-2	0-12
	13-22	25-35	15.0-30.0	7.9-8.4	0-15	---	0-2	0-12
	22-28	---	---	---	---	---	---	---
	28-32	---	---	---	---	---	---	---
Ratsow----------	0-7	15-20	14.0-18.0	7.4-7.8	---	---	---	---
	7-29	35-50	25.0-36.0	7.4-8.4	0-3	---	0-2	---
	29-30	---	---	---	---	---	---	---
	30-34	---	---	---	---	---	---	---
1676:								
Linkup----------	0-3	10-24	5.0-20.0	6.1-7.3	---	---	---	---
	3-5	27-45	15.0-30.0	6.1-7.3	---	---	---	---
	5-17	40-55	25.0-35.0	6.1-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Quarz----------	0-6	20-27	15.0-25.0	6.6-7.8	---	---	---	---
	6-21	35-55	30.0-55.0	6.6-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---
1680:								
Carstump--------	0-14	15-25	10.0-25.0	6.6-7.3	---	---	---	---
	14-36	40-55	35.0-45.0	6.6-9.0	1-5	---	0-2	---
	36-40	---	---	---	---	---	---	---
Reluctan--------	0-9	14-18	10.0-20.0	6.6-7.8	---	---	---	---
	9-27	25-35	20.0-35.0	6.6-7.8	---	---	---	---
	27-37	---	---	---	---	---	---	---
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
1685:								
Carstump--------	0-14	15-25	10.0-25.0	6.6-7.3	---	---	---	---
	14-36	40-55	35.0-45.0	6.6-9.0	1-5	---	0-2	---
	36-40	---	---	---	---	---	---	---
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Graley----------	0-12	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	12-17	35-45	20.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
1686:								
Carstump--------	0-14	12-20	10.0-20.0	6.6-7.3	---	---	---	---
	14-36	40-55	35.0-45.0	6.6-9.0	1-5	---	0-2	---
	36-40	---	---	---	---	---	---	---
Reluctan--------	0-9	14-18	10.0-20.0	6.6-7.8	---	---	---	---
	9-27	25-35	20.0-35.0	6.6-7.8	---	---	---	---
	27-37	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
1687:								
Carstump--------	0-14	12-20	9.0-18.0	6.6-7.3	---	---	---	---
	14-36	40-55	33.0-46.0	6.6-9.0	0-5	---	0-2	---
	36-40	---	---	---	---	---	---	---
Linkup----------	0-3	10-24	5.0-20.0	6.1-7.3	---	---	---	---
	3-5	27-45	15.0-30.0	6.1-7.3	---	---	---	---
	5-17	40-55	25.0-35.0	6.1-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
Carstump--------	0-14	12-20	10.0-20.0	6.6-7.3	---	---	---	---
	14-36	40-55	35.0-45.0	6.6-9.0	1-5	---	0-2	---
	36-40	---	---	---	---	---	---	---
1691:								
Rock Outcrop.								
Pequop----------	0-12	12-23	11.0-24.0	6.6-7.3	---	---	---	---
	12-50	20-35	14.0-27.0	6.6-7.8	---	---	---	---
	50-60	15-25	10.0-17.0	6.6-7.8	---	---	---	---
Rubble Land-----	0-60	---	---	---	---	---	---	---
1700:								
Cotant----------	0-3	27-40	25.0-35.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
Quarz----------	0-6	20-27	15.0-25.0	6.6-7.8	---	---	---	---
	6-21	35-55	30.0-55.0	6.6-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1702:								
Cotant----------	0-3	27-40	25.0-35.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
McIvey----------	0-16	20-27	15.0-30.0	6.6-7.3	---	---	---	---
	16-29	30-40	20.0-30.0	6.1-7.3	---	---	---	---
	29-65	40-50	25.0-30.0	6.1-7.3	---	---	---	---
Blitzen---------	0-10	27-35	18.0-27.0	6.6-7.8	---	---	---	---
	10-33	35-60	30.0-52.0	6.6-7.8	---	---	---	---
	33-37	---	---	---	---	---	---	---
1703:								
Cotant----------	0-3	27-40	25.0-35.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
Lerrow----------	0-9	20-25	15.0-20.0	6.6-7.3	---	---	---	---
	9-14	30-40	20.0-25.0	6.6-7.3	---	---	---	---
	14-27	40-55	25.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
Bullump---------	0-12	15-25	15.0-30.0	6.1-7.8	---	---	---	---
	12-46	25-35	10.0-25.0	6.1-7.8	---	---	---	---
	46-50	---	---	---	---	---	---	---
1711:								
Reluctan--------	0-9	14-18	10.0-20.0	6.6-7.8	---	---	---	---
	9-27	25-35	20.0-35.0	6.6-7.8	---	---	---	---
	27-37	---	---	---	---	---	---	---
Ninemile--------	0-4	20-27	14.0-20.0	6.1-7.8	---	---	---	---
	4-19	40-60	38.0-52.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Cleavage--------	0-4	15-25	11.0-21.0	6.6-7.8	---	---	---	---
	4-18	20-35	14.0-25.0	6.6-7.8	---	---	---	---
	18-28	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1712:								
Reluctan--------	0-9	14-18	10.0-20.0	6.6-7.8	---	---	---	---
	9-27	25-35	20.0-35.0	6.6-7.8	---	---	---	---
	27-37	---	---	---	---	---	---	---
Sumine----------	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Cleavage--------	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
1713:								
Reluctan--------	0-9	15-22	15.0-25.0	6.6-7.8	---	---	---	---
	9-27	25-35	15.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
Erakatak--------	0-4	15-27	16.0-32.0	6.6-7.3	---	---	---	---
	4-19	35-50	30.0-44.0	6.6-7.3	---	---	---	---
	19-32	40-60	33.0-52.0	6.6-7.3	---	---	---	---
	32-35	---	---	---	---	---	---	---
	35-45	---	---	---	---	---	---	---
Rugar-----------	0-2	15-27	14.0-32.0	6.1-7.3	---	---	---	---
	2-20	27-35	20.0-32.0	6.1-7.3	---	---	---	---
	20-43	40-55	28.0-45.0	6.1-7.3	---	---	---	---
	43-47	---	---	---	---	---	---	---
1720:								
Quarz-----------	0-6	20-27	15.0-25.0	6.6-7.8	---	---	---	---
	6-21	35-55	30.0-55.0	6.6-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---
Alyan-----------	0-9	18-27	15.0-22.0	6.6-7.8	---	---	---	---
	9-16	40-55	33.0-48.0	6.6-7.8	---	---	---	---
	16-28	40-55	33.0-46.0	6.6-7.8	---	---	---	---
	28-32	40-55	32.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
1725:								
Quarz-----------	0-6	15-27	15.0-25.0	6.6-7.3	---	---	---	---
	6-9	30-40	20.0-30.0	6.6-7.3	---	---	---	---
	9-21	35-55	20.0-35.0	6.6-7.3	---	---	---	---
	21-25	---	---	---	---	---	---	---
Cleavage--------	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Loncan----------	0-17	18-27	15.0-20.0	6.6-7.3	---	---	---	---
	17-30	18-27	10.0-15.0	6.6-7.3	---	---	---	---
	30-34	---	---	---	---	---	---	---
1726:								
Quarz-----------	0-6	20-27	15.0-25.0	6.6-7.8	---	---	---	---
	6-21	35-55	30.0-55.0	6.6-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---
Ninemile--------	0-4	20-27	14.0-20.0	6.1-7.8	---	---	---	---
	4-19	40-60	38.0-52.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Pequop----------	0-12	12-23	11.0-24.0	6.6-7.3	---	---	---	---
	12-50	20-35	14.0-27.0	6.6-7.8	---	---	---	---
	50-60	15-25	10.0-17.0	6.6-7.8	---	---	---	---
1730:								
Graley----------	0-12	10-18	10.0-20.0	6.6-7.8	---	---	---	---
	12-17	35-45	25.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
Erakatak--------	0-4	15-27	16.0-32.0	6.6-7.3	---	---	---	---
	4-19	35-50	30.0-44.0	6.6-7.3	---	---	---	---
	19-32	40-60	33.0-50.0	6.6-7.3	---	---	---	---
	32-36	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Chen----------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
1732:								
Graley----------	0-12	10-15	10.0-15.0	6.6-7.8	---	---	---	---
	12-17	35-45	20.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
Quarz----------	0-6	20-27	15.0-25.0	6.6-7.8	---	---	---	---
	6-21	35-55	30.0-55.0	6.6-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
1733:								
Graley----------	0-12	10-15	10.0-15.0	6.6-7.8	---	---	---	---
	12-17	35-45	20.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
Loncan----------	0-17	18-27	15.0-20.0	6.6-7.3	---	---	---	---
	17-30	18-27	10.0-15.0	6.6-7.3	---	---	---	---
	30-34	---	---	---	---	---	---	---
1740:								
Erakatak--------	0-4	15-27	16.0-32.0	6.6-7.3	---	---	---	---
	4-19	35-50	30.0-44.0	6.6-7.3	---	---	---	---
	19-32	40-60	33.0-50.0	6.6-7.3	---	---	---	---
	32-36	---	---	---	---	---	---	---
Cleavage--------	0-4	15-20	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Hackwood--------	0-26	10-27	12.0-35.0	6.1-7.3	---	---	---	---
	26-34	15-27	12.0-30.0	6.1-7.3	---	---	---	---
	34-60	25-35	20.0-35.0	6.1-7.3	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1741:								
Erakatak--------	0-4	27-35	20.0-38.0	6.6-7.3	---	---	---	---
	4-19	35-50	30.0-44.0	6.6-7.3	---	---	---	---
	19-32	40-60	33.0-50.0	6.6-7.3	---	---	---	---
	32-36	---	---	---	---	---	---	---
Chen----------	0-7	20-25	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Tusk----------	0-14	10-27	10.0-25.0	6.6-7.3	---	---	---	---
	14-38	27-35	20.0-35.0	6.6-7.8	---	---	---	---
	38-60	20-35	15.0-30.0	7.4-7.8	---	---	---	---
1742:								
Erakatak--------	0-4	15-27	16.0-32.0	6.6-7.3	---	---	---	---
	4-19	35-50	30.0-44.0	6.6-7.3	---	---	---	---
	19-32	40-60	33.0-52.0	6.6-7.3	---	---	---	---
	32-35	---	---	---	---	---	---	---
	35-45	---	---	---	---	---	---	---
Rugar----------	0-2	27-35	23.0-38.0	6.1-7.3	---	---	---	---
	2-20	27-35	20.0-32.0	6.1-7.3	---	---	---	---
	20-43	40-55	28.0-45.0	6.1-7.3	---	---	---	---
	43-47	---	---	---	---	---	---	---
Tusel----------	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
1744:								
Erakatak--------	0-4	27-35	20.0-38.0	6.6-7.3	---	---	---	---
	4-19	35-50	30.0-44.0	6.6-7.3	---	---	---	---
	19-32	40-60	33.0-50.0	6.6-7.3	---	---	---	---
	32-36	---	---	---	---	---	---	---
Graley----------	0-12	10-18	10.0-20.0	6.6-7.8	---	---	---	---
	12-17	35-45	25.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Tusel	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
1746:								
Booford	0-10	15-25	13.0-23.0	6.1-7.3	---	---	---	---
	10-19	35-50	30.0-46.0	6.6-7.3	---	---	---	---
	19-36	40-60	33.0-52.0	6.1-7.3	---	---	---	---
	36-46	---	---	---	---	---	---	---
Cotant	0-3	27-40	25.0-35.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
Blitzen	0-10	27-35	18.0-27.0	6.6-7.8	---	---	---	---
	10-33	35-60	30.0-52.0	6.6-7.8	---	---	---	---
	33-37	---	---	---	---	---	---	---
1800:								
Bregar	0-6	15-25	10.0-25.0	6.1-7.8	---	---	---	---
	6-11	25-35	15.0-30.0	6.1-7.8	---	---	---	---
	11-15	---	---	---	---	---	---	---
Bregar	0-6	15-25	10.0-25.0	6.1-7.8	---	---	---	---
	6-11	25-35	15.0-30.0	6.1-7.8	---	---	---	---
	11-15	---	---	---	---	---	---	---
Carstump	0-14	12-20	9.0-18.0	6.6-7.3	---	---	---	---
	14-36	40-55	33.0-46.0	6.6-9.0	0-5	---	0-2	---
	36-40	---	---	---	---	---	---	---
1802:								
Bregar	0-2	15-25	10.0-25.0	6.1-7.8	---	---	---	---
	2-7	25-35	15.0-30.0	6.1-7.8	---	---	---	---
	7-11	---	---	---	---	---	---	---
Ninemile	0-4	20-27	14.0-20.0	6.1-7.8	---	---	---	---
	4-19	40-60	38.0-52.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Pequop----------	0-12	12-23	11.0-24.0	6.6-7.3	---	---	---	---
	12-50	20-35	14.0-27.0	6.6-7.8	---	---	---	---
	50-60	15-25	10.0-17.0	6.6-7.8	---	---	---	---
1803:								
Rock Outcrop.								
Bregar----------	0-2	8-15	5.0-15.0	6.1-7.8	---	---	---	---
	2-7	25-35	15.0-30.0	6.1-7.8	---	---	---	---
	7-11	---	---	---	---	---	---	---
Sumine----------	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
1805:								
Bregar----------	0-2	15-25	15.0-25.0	6.1-7.8	---	---	---	---
	2-11	25-35	20.0-30.0	6.1-7.8	---	---	---	---
	11-15	---	---	---	---	---	---	---
Deseed----------	0-4	15-25	11.0-21.0	6.6-7.3	---	---	---	---
	4-26	35-45	29.0-40.0	6.6-7.8	---	---	---	---
	26-30	---	---	---	---	---	---	---
Linkup----------	0-3	10-20	5.0-15.0	6.1-7.3	---	---	---	---
	3-5	27-45	15.0-30.0	6.1-7.3	---	---	---	---
	5-17	40-55	25.0-35.0	6.1-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
1810:								
Shively---------	0-9	10-18	10.0-15.0	7.4-7.8	---	---	---	---
	9-21	10-18	10.0-15.0	7.4-7.8	---	---	---	---
	21-41	10-22	5.0-15.0	7.4-7.8	---	---	---	---
	41-60	---	---	---	---	---	---	---
Ninemile--------	0-4	15-25	20.0-28.0	6.1-7.3	---	---	---	---
	4-19	40-60	38.0-54.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Hackwood--------	0-26	10-27	12.0-35.0	6.1-7.3	---	---	---	---
	26-34	15-27	12.0-30.0	6.1-7.3	---	---	---	---
	34-60	25-35	20.0-35.0	6.1-7.3	---	---	---	---
1830:								
Vanwyper--------	0-10	18-25	25.0-35.0	6.6-7.3	---	---	---	---
	10-25	35-55	20.0-30.0	6.6-7.8	---	---	---	0-5
	25-29	---	---	---	---	---	---	---
Alyan----------	0-9	18-27	10.0-25.0	6.6-7.8	---	---	---	---
	9-16	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	16-28	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	28-32	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---
Vanwyper--------	0-10	18-25	25.0-35.0	6.6-7.3	---	---	---	---
	10-25	35-55	20.0-30.0	6.6-7.8	---	---	---	0-5
	25-29	---	---	---	---	---	---	---
1831:								
Vanwyper--------	0-10	18-25	15.0-25.0	6.6-7.8	---	---	---	---
	10-25	35-55	20.0-45.0	6.6-7.8	---	---	---	0-5
	25-29	---	---	---	---	---	---	---
Trunk----------	0-5	10-20	10.0-20.0	6.6-7.8	---	---	---	0-5
	5-23	35-50	20.0-40.0	6.6-9.0	0-5	---	0-2	0-12
	23-27	---	---	---	---	---	---	---
Vanwyper--------	0-10	18-25	15.0-25.0	6.6-7.8	---	---	---	---
	10-25	35-55	20.0-45.0	6.6-7.8	---	---	---	0-5
	25-29	---	---	---	---	---	---	---
1832:								
Vanwyper--------	0-10	18-25	15.0-25.0	6.6-7.8	---	---	---	---
	10-25	35-55	20.0-45.0	6.6-7.8	---	---	---	0-5
	25-29	---	---	---	---	---	---	---
Trunk----------	0-5	27-35	20.0-30.0	6.6-7.8	---	---	---	0-5
	5-23	35-50	20.0-40.0	6.6-9.0	0-5	---	0-2	0-12
	23-27	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Trunk	0-5	27-35	20.0-30.0	6.6-7.8	---	---	---	0-5
	5-23	35-50	20.0-40.0	6.6-9.0	0-5	---	0-2	0-12
	23-27	---	---	---	---	---	---	---
1833:								
Rock Outcrop.								
Vanwyper	0-10	18-25	15.0-25.0	6.6-7.8	---	---	---	---
	10-25	35-55	20.0-45.0	6.6-7.8	---	---	---	0-5
	25-29	---	---	---	---	---	---	---
Trunk	0-5	10-20	10.0-20.0	6.6-7.8	---	---	---	0-5
	5-23	35-50	20.0-40.0	6.6-9.0	0-5	---	0-2	0-12
	23-27	---	---	---	---	---	---	---
1852:								
Gumble	0-4	15-20	11.0-16.0	6.6-7.8	---	---	---	---
	4-18	40-60	33.0-50.0	7.4-8.4	---	---	0-2	---
	18-22	---	---	---	---	---	---	---
Tuffo	0-6	5-15	10.0-30.0	6.6-7.8	---	---	---	---
	6-13	5-15	5.0-20.0	6.6-7.8	---	---	---	---
	13-17	---	---	---	---	---	---	---
Hunnton	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
1853:								
Rock Outcrop.								
Gumble	0-4	15-20	11.0-16.0	6.6-7.8	---	---	---	---
	4-18	40-60	33.0-50.0	7.4-8.4	0-5	---	0-2	---
	18-28	---	---	---	---	---	---	---
Tuffo	0-6	5-15	10.0-30.0	6.6-7.8	---	---	---	---
	6-13	5-15	5.0-20.0	6.6-7.8	---	---	---	---
	13-17	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
1854:								
Gumble----------	0-4	15-20	11.0-16.0	6.6-7.8	---	---	---	---
	4-18	40-60	33.0-50.0	7.4-8.4	0-5	---	0-2	---
	18-28	---	---	---	---	---	---	---
Chen----------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
1855:								
Gumble----------	0-4	15-20	11.0-16.0	6.6-7.8	---	---	---	---
	4-18	40-60	33.0-50.0	7.4-8.4	0-5	---	0-2	---
	18-28	---	---	---	---	---	---	---
Puett Variant---	0-2	10-15	7.0-11.0	8.5-9.0	5-10	---	0-2	---
	2-17	10-15	6.0-10.0	8.5-9.0	5-10	---	0-2	1-5
	17-27	---	---	---	---	---	---	---
Xeric Torriorthents--	0-3	8-15	7.0-13.0	7.9-8.4	0-1	---	---	---
	3-7	---	---	---	---	---	---	---
1870:								
Chen----------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Graley----------	0-12	10-18	10.0-20.0	6.6-7.8	---	---	---	---
	12-17	35-45	25.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
Quarz----------	0-6	20-27	15.0-25.0	6.6-7.8	---	---	---	---
	6-21	35-55	30.0-55.0	6.6-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---
1871:								
Chen----------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Cotant----------	0-3	20-27	20.0-25.0	6.6-7.8	---	---	---	---
	3-20	40-60	35.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
Graley----------	0-12	10-18	10.0-20.0	6.6-7.8	---	---	---	---
	12-17	35-45	25.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
1872:								
Chen----------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Sumine----------	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Tusel----------	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
1874:								
Chen----------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Quarz----------	0-6	27-35	25.0-35.0	6.6-7.8	---	---	---	---
	6-21	35-55	30.0-55.0	6.6-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---
Arcia----------	0-15	18-27	17.0-26.0	6.6-7.3	---	---	---	---
	15-21	30-40	28.0-38.0	6.6-7.3	---	---	---	---
	21-39	40-60	34.0-52.0	6.6-7.3	---	---	---	---
	39-43	---	---	---	---	---	---	---
1875:								
Chen----------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Bregar----------	0-6	15-25	10.0-25.0	6.1-7.8	---	---	---	---
	6-11	25-35	15.0-30.0	6.1-7.8	---	---	---	---
	11-15	---	---	---	---	---	---	---
Ramires---------	0-5	27-35	20.0-27.0	6.6-7.3	---	---	---	---
	5-40	35-50	30.0-44.0	6.6-7.8	---	---	---	---
	40-44	---	---	---	---	---	---	---
1876:								
Chen----------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Chen----------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Arcia----------	0-15	18-27	17.0-26.0	6.6-7.3	---	---	---	---
	15-21	30-40	28.0-38.0	6.6-7.3	---	---	---	---
	21-39	40-60	34.0-52.0	6.6-7.3	---	---	---	---
	39-43	---	---	---	---	---	---	---
1877:								
Chen----------	0-7	15-25	13.0-21.0	6.1-7.8	---	---	---	---
	7-15	40-55	33.0-52.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Bregar----------	0-2	8-15	5.0-15.0	6.1-7.8	---	---	---	---
	2-7	25-35	15.0-30.0	6.1-7.8	---	---	---	---
	7-11	---	---	---	---	---	---	---
Loncan----------	0-17	18-27	15.0-20.0	6.6-7.3	---	---	---	---
	17-30	18-27	10.0-15.0	6.6-7.3	---	---	---	---
	30-34	---	---	---	---	---	---	---
1880:								
Chen----------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Blitzen---------	0-9	20-27	14.0-22.0	6.6-7.8	---	---	---	---
	9-33	35-60	30.0-52.0	6.6-7.8	---	---	---	---
	33-43	---	---	---	---	---	---	---
Pequop----------	0-12	12-23	11.0-24.0	6.6-7.3	---	---	---	---
	12-50	20-35	14.0-27.0	6.6-7.8	---	---	---	---
	50-60	15-25	10.0-17.0	6.6-7.8	---	---	---	---
1881:								
Chen------------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Blitzen---------	0-10	27-35	18.0-27.0	6.6-7.8	---	---	---	---
	10-33	35-60	30.0-52.0	6.6-7.8	---	---	---	---
	33-37	---	---	---	---	---	---	---
Loncan----------	0-17	18-27	15.0-20.0	6.6-7.3	---	---	---	---
	17-30	18-27	10.0-15.0	6.6-7.3	---	---	---	---
	30-34	---	---	---	---	---	---	---
1888:								
Chen------------	0-7	15-25	15.0-20.0	6.6-7.8	---	---	---	---
	7-15	40-55	25.0-30.0	6.6-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Pie Creek-------	0-5	10-20	10.0-18.0	6.6-7.3	---	---	---	---
	5-16	60-70	50.0-60.0	6.6-7.3	---	---	---	---
	16-23	35-45	29.0-38.0	7.4-8.4	1-5	---	0-2	---
	23-27	---	---	---	---	---	---	---
Alyan------------	0-9	18-27	10.0-25.0	6.6-7.8	---	---	---	---
	9-16	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	16-28	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	28-32	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---
1889:								
Chen------------	0-7	20-27	15.0-25.0	6.1-7.8	---	---	---	---
	7-15	40-55	25.0-40.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Sumine	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
1910:								
Mahala	0-5	20-25	15.0-20.0	6.6-7.3	---	---	---	---
	5-14	45-60	30.0-35.0	7.4-8.4	---	---	0-2	---
	14-26	35-60	20.0-35.0	7.4-8.4	0-5	---	0-2	---
	26-30	---	---	---	---	---	---	---
Ramires	0-5	27-35	20.0-27.0	6.6-7.3	---	---	---	---
	5-40	35-50	30.0-44.0	6.6-7.8	---	---	---	---
	40-44	---	---	---	---	---	---	---
1920:								
Lerrow	0-9	20-25	15.0-20.0	6.6-7.3	---	---	---	---
	9-14	30-40	20.0-25.0	6.6-7.3	---	---	---	---
	14-27	40-55	25.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
Chen	0-7	15-25	13.0-21.0	6.1-7.8	---	---	---	---
	7-15	40-55	33.0-52.0	6.1-7.8	---	---	---	---
	15-19	---	---	---	---	---	---	---
Cotant	0-3	18-27	10.0-25.0	6.6-7.8	---	---	---	---
	3-20	40-60	25.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
1921:								
Lerrow	0-9	20-25	15.0-20.0	6.6-7.3	---	---	---	---
	9-14	30-40	20.0-25.0	6.6-7.3	---	---	---	---
	14-27	40-55	25.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
Quarz	0-6	20-27	15.0-25.0	6.6-7.8	---	---	---	---
	6-21	35-55	30.0-55.0	6.6-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Rugar----------	0-2	15-27	14.0-32.0	6.1-7.3	---	---	---	---
	2-20	27-35	20.0-32.0	6.1-7.3	---	---	---	---
	20-43	40-55	28.0-45.0	6.1-7.3	---	---	---	---
	43-47	---	---	---	---	---	---	---
1931:								
Tweener---------	0-5	15-20	11.0-16.0	6.6-7.3	---	---	---	---
	5-8	25-40	17.0-36.0	6.6-7.3	---	---	---	---
	8-18	---	---	---	---	---	---	---
Cleavage--------	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
Reluctan--------	0-9	14-18	10.0-20.0	6.6-7.8	---	---	---	---
	9-27	25-35	20.0-35.0	6.6-7.8	---	---	---	---
	27-37	---	---	---	---	---	---	---
1932:								
Tweener---------	0-5	15-20	10.0-15.0	6.6-7.3	---	---	---	---
	5-8	25-40	20.0-30.0	6.6-7.3	---	---	---	---
	8-12	---	---	---	---	---	---	---
Sumine----------	0-10	10-20	20.0-30.0	6.6-7.8	---	---	---	---
	10-29	25-35	20.0-30.0	6.6-7.8	---	---	---	---
	29-33	---	---	---	---	---	---	---
Cleavage--------	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
1933:								
Tweener---------	0-5	15-20	11.0-16.0	6.6-7.3	---	---	---	---
	5-8	25-40	17.0-36.0	6.6-7.3	---	---	---	---
	8-18	---	---	---	---	---	---	---
Pequop----------	0-12	12-23	11.0-24.0	6.6-7.3	---	---	---	---
	12-50	20-35	14.0-27.0	6.6-7.8	---	---	---	---
	50-60	15-25	10.0-17.0	6.6-7.8	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Cleavage--------	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
1950:								
McIvey----------	0-16	20-27	15.0-25.0	6.6-7.3	---	---	---	---
	16-29	30-40	20.0-30.0	6.1-7.3	---	---	---	---
	29-65	40-50	25.0-35.0	6.1-7.3	---	---	---	---
McIvey----------	0-16	20-27	15.0-30.0	6.6-7.3	---	---	---	---
	16-29	30-40	20.0-30.0	6.1-7.3	---	---	---	---
	29-65	40-50	25.0-30.0	6.1-7.3	---	---	---	---
Tusel-----------	0-17	10-20	10.0-25.0	6.1-7.3	---	---	---	---
	17-58	25-35	15.0-35.0	6.1-7.3	---	---	---	---
	58-62	---	---	---	---	---	---	---
1980:								
Thwoop----------	0-4	14-22	10.0-17.0	6.6-7.8	---	---	---	---
	4-10	20-27	14.0-20.0	6.6-7.8	---	---	---	---
	10-25	35-45	29.0-38.0	6.6-7.8	0-5	---	---	---
	25-27	---	---	---	---	---	---	---
	27-37	---	---	---	---	---	---	---
Trunk-----------	0-5	10-20	10.0-20.0	6.6-7.8	---	---	---	0-5
	5-23	35-50	20.0-40.0	6.6-9.0	0-5	---	0-2	0-12
	23-27	---	---	---	---	---	---	---
Pequop----------	0-12	12-23	11.0-24.0	6.6-7.3	---	---	---	---
	12-50	20-35	14.0-27.0	6.6-7.8	---	---	---	---
	50-60	15-25	10.0-17.0	6.6-7.8	---	---	---	---
2000:								
Alyan-----------	0-9	18-27	15.0-22.0	6.6-7.8	---	---	---	---
	9-16	40-55	33.0-48.0	6.6-7.8	---	---	---	---
	16-28	40-55	33.0-46.0	6.6-7.8	---	---	---	---
	28-32	40-55	32.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Cotant----------	0-3	18-27	10.0-25.0	6.6-7.8	---	---	---	---
	3-20	40-60	25.0-50.0	6.6-7.8	---	---	---	---
	20-24	---	---	---	---	---	---	---
Akler----------	0-4	18-25	15.0-20.0	6.6-7.8	---	---	---	---
	4-18	50-60	30.0-35.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
2001:								
Alyan----------	0-9	18-27	10.0-25.0	6.6-7.8	---	---	---	---
	9-16	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	16-28	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	28-32	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---
Bregar----------	0-6	15-25	10.0-25.0	6.1-7.8	---	---	---	---
	6-11	25-35	15.0-30.0	6.1-7.8	---	---	---	---
	11-15	---	---	---	---	---	---	---
Alyan----------	0-9	18-27	10.0-25.0	6.6-7.8	---	---	---	---
	9-16	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	16-28	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	28-32	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---
2002:								
Alyan----------	0-9	27-35	20.0-35.0	6.6-7.8	---	---	---	---
	9-16	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	16-28	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	28-32	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---
Alyan----------	0-9	27-35	20.0-35.0	6.6-7.8	---	---	---	---
	9-16	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	16-28	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	28-32	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---
Quarz----------	0-6	20-27	15.0-25.0	6.6-7.8	---	---	---	---
	6-21	35-55	30.0-55.0	6.6-7.8	---	---	---	---
	21-25	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2003:								
Alyan	0-9	18-27	15.0-22.0	6.6-7.8	---	---	---	---
	9-16	40-55	33.0-48.0	6.6-7.8	---	---	---	---
	16-28	40-55	33.0-46.0	6.6-7.8	---	---	---	---
	28-32	40-55	32.0-45.0	6.6-7.8	---	---	---	---
	32-42	---	---	---	---	---	---	---
Deepeek	0-5	15-20	11.0-16.0	7.4-7.8	---	---	---	---
	5-18	25-35	16.0-23.0	7.9-9.0	0-1	---	0-4	1-12
	18-24	---	---	---	---	---	---	---
	24-42	10-20	6.0-13.0	8.5-9.0	1-5	---	0-8	13-30
Susie Creek	0-10	10-20	9.0-20.0	7.4-7.8	---	---	---	---
	10-30	35-55	24.0-40.0	6.6-7.8	---	---	---	---
	30-60	18-30	12.0-22.0	7.4-9.0	0-3	---	0-2	0-5
2004:								
Alyan	0-9	18-27	15.0-22.0	6.6-7.8	---	---	---	---
	9-16	40-55	33.0-48.0	6.6-7.8	---	---	---	---
	16-28	40-55	33.0-46.0	6.6-7.8	---	---	---	---
	28-32	40-55	32.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---
Ninemile	0-4	20-27	14.0-20.0	6.1-7.8	---	---	---	---
	4-19	40-60	38.0-52.0	6.1-7.8	---	---	---	---
	19-23	---	---	---	---	---	---	---
Alyan	0-9	18-27	10.0-25.0	6.6-7.8	---	---	---	---
	9-16	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	16-28	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	28-32	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---
2005:								
Rock Outcrop.								
Alyan	0-9	18-27	10.0-25.0	6.6-7.8	---	---	---	---
	9-16	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	16-28	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	28-32	40-55	25.0-45.0	6.6-7.8	---	---	---	---
	32-36	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Graley----------	0-12	10-15	10.0-15.0	6.6-7.8	---	---	---	---
	12-17	35-45	20.0-35.0	6.6-7.8	---	---	---	---
	17-21	---	---	---	---	---	---	---
2171:								
Deseed----------	0-4	15-25	11.0-21.0	6.6-7.3	---	---	---	---
	4-26	35-45	29.0-40.0	6.6-7.8	---	---	---	---
	26-30	---	---	---	---	---	---	---
Reluctan--------	0-9	15-22	15.0-25.0	6.6-7.8	---	---	---	---
	9-27	25-35	15.0-30.0	6.6-7.8	---	---	---	---
	27-31	---	---	---	---	---	---	---
Cleavage--------	0-4	15-25	15.0-25.0	6.6-7.8	---	---	---	---
	4-18	20-35	15.0-30.0	6.6-7.8	---	---	---	---
	18-22	---	---	---	---	---	---	---
2173:								
Deseed----------	0-4	15-25	11.0-21.0	6.6-7.3	---	---	---	---
	4-26	35-45	29.0-40.0	6.6-7.8	---	---	---	---
	26-30	---	---	---	---	---	---	---
Quarz-----------	0-6	15-27	15.0-25.0	6.6-7.3	---	---	---	---
	6-15	30-40	20.0-30.0	6.6-7.3	---	---	---	---
	15-21	35-55	20.0-35.0	6.6-7.3	---	---	---	---
	21-25	---	---	---	---	---	---	---
2205:								
Coltroop--------	0-5	15-20	11.0-16.0	7.4-7.8	---	---	0-2	1-5
	5-17	20-30	13.0-20.0	7.4-8.4	0-5	---	0-2	1-12
	17-32	---	---	---	---	---	---	---
	32-42	---	---	---	---	---	---	---
Snowmore--------	0-4	15-20	15.0-20.0	6.6-7.8	---	---	0-2	0-5
	4-13	20-30	15.0-30.0	7.4-7.8	---	---	0-2	0-12
	13-22	25-35	15.0-30.0	7.9-8.4	0-15	---	0-2	0-12
	22-29	---	---	---	---	---	---	---
	29-39	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2206:								
Coltroop--------	0-5	12-18	9.0-15.0	7.4-8.4	---	---	---	---
	5-17	20-30	13.0-20.0	7.4-8.4	0-5	---	0-2	1-12
	17-32	---	---	---	---	---	---	---
	32-42	---	---	---	---	---	---	---
Vanwyper--------	0-10	18-25	13.0-19.0	6.6-7.3	---	---	---	---
	10-25	35-55	28.0-45.0	6.6-7.8	---	---	---	---
	25-29	---	---	---	---	---	---	---
2310:								
Bulake----------	0-7	18-25	13.0-19.0	6.6-7.3	---	---	---	---
	7-19	40-50	33.0-42.0	6.6-7.3	---	---	---	---
	19-23	---	---	---	---	---	---	---
Deunah----------	0-9	15-27	15.0-25.0	5.6-7.3	---	---	---	---
	9-26	60-70	40.0-60.0	6.6-7.8	---	---	---	---
	26-33	---	---	---	---	---	---	---
Bulake----------	0-7	15-20	11.0-16.0	6.6-7.3	---	---	---	---
	7-19	40-50	33.0-42.0	6.6-7.3	---	---	---	---
	19-23	---	---	---	---	---	---	---
2311:								
Bulake----------	0-7	15-20	11.0-16.0	6.6-7.3	---	---	---	---
	7-19	40-50	33.0-42.0	6.6-7.3	---	---	---	---
	19-23	---	---	---	---	---	---	---
Hatpeak---------	0-10	15-25	15.0-30.0	6.1-7.3	---	---	---	---
	10-30	35-50	30.0-50.0	6.6-7.8	---	---	0-2	---
	30-60	---	---	---	---	---	---	---
Petan-----------	0-6	18-27	15.0-22.0	6.1-7.8	---	---	---	---
	6-19	40-60	34.0-52.0	6.1-7.8	---	---	---	---
	19-20	---	---	---	---	---	---	---
	20-30	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2505:								
Buffaran--------	0-5	10-18	8.0-15.0	6.6-7.8	---	---	---	---
	5-18	35-50	29.0-42.0	6.6-8.4	---	---	0-2	---
	18-25	---	---	---	---	---	---	---
	25-60	---	---	---	---	---	---	---
Zevadez---------	0-10	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	10-19	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	19-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---
2511:								
Bilbo-----------	0-5	5-10	5.0-10.0	6.6-7.3	---	---	---	---
	5-40	35-50	20.0-30.0	6.6-7.8	---	---	---	0-12
	40-60	5-15	0.0-10.0	7.4-8.4	5-10	---	0-2	1-12
Alley-----------	0-7	7-15	6.0-19.0	6.6-7.3	---	---	---	---
	7-20	20-30	17.0-20.0	7.4-8.4	---	---	2-4	1-5
	20-40	5-10	3.0-7.0	7.9-9.0	1-5	---	4-8	5-12
	40-60	5-10	3.0-7.0	7.9-9.0	1-5	---	4-8	5-12
Deepeek---------	0-5	15-20	11.0-16.0	7.4-7.8	---	---	---	---
	5-18	25-35	16.0-23.0	7.9-9.0	0-1	---	0-4	1-12
	18-24	---	---	---	---	---	---	---
	24-42	10-20	6.0-13.0	8.5-9.0	1-5	---	0-8	13-30
2514:								
Bilbo-----------	0-5	10-20	5.0-20.0	6.6-7.8	---	---	---	---
	5-40	35-50	20.0-40.0	6.6-7.8	---	---	0-2	0-12
	40-60	5-15	5.0-10.0	7.4-8.4	10-20	---	0-2	1-12
Susie Creek-----	0-10	10-20	9.0-20.0	7.4-7.8	---	---	---	---
	10-30	35-55	24.0-40.0	6.6-7.8	---	---	---	---
	30-60	18-30	12.0-22.0	7.4-9.0	0-3	---	0-2	0-5
Buffaran--------	0-5	10-18	8.0-15.0	6.6-7.8	---	---	---	---
	5-18	35-50	29.0-42.0	6.6-8.4	---	---	0-2	---
	18-25	---	---	---	---	---	---	---
	25-60	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2521:								
Dewar	0-4	15-20	10.0-20.0	6.6-8.4	---	---	---	---
	4-14	27-35	15.0-30.0	6.6-8.4	1-5	---	---	---
	14-19	20-27	10.0-20.0	8.5-9.0	5-10	---	0-2	---
	19-32	---	---	---	---	---	---	---
	32-60	10-15	5.0-15.0	7.9-9.6	20-30	---	0-4	---
Chiara	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-21	---	---	---	---	---	---	---
Chiara	0-6	10-18	15.0-25.0	7.4-8.4	---	---	---	0-5
	6-17	10-18	15.0-40.0	7.4-8.4	0-1	---	0-2	5-25
	17-21	---	---	---	---	---	---	---
2522:								
Dewar	0-4	15-20	10.0-20.0	6.6-8.4	---	---	---	---
	4-14	27-35	15.0-30.0	6.6-8.4	1-5	---	---	---
	14-19	20-27	10.0-20.0	8.5-9.0	5-10	---	0-2	---
	19-32	---	---	---	---	---	---	---
	32-60	10-15	5.0-15.0	7.9-9.6	20-30	---	0-4	---
Sodhouse	0-6	10-18	5.0-15.0	7.9-8.4	0-5	---	---	1-12
	6-19	10-18	5.0-15.0	7.9-9.0	5-15	---	0-2	13-30
	19-25	---	---	---	---	---	---	---
	25-60	5-15	5.0-10.0	7.9-9.0	5-10	---	0-8	13-45
2531:								
Rock Outcrop.								
Clurde Variant	0-13	18-27	13.0-20.0	6.6-7.3	---	---	---	---
	13-19	20-25	13.0-17.0	6.6-7.3	---	---	---	---
	19-32	5-15	3.0-10.0	6.6-7.8	---	---	0-2	---
	32-42	---	---	---	---	---	---	---
Clurde	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2541:								
Kelk	0-13	15-20	10.0-20.0	6.6-8.4	0-5	---	0-4	1-5
	13-48	18-27	20.0-30.0	7.4-8.4	1-5	---	0-8	5-12
	48-60	18-27	20.0-30.0	8.5-9.0	1-5	---	4-16	13-30
2545:								
Kelk	0-13	15-20	10.0-20.0	6.6-8.4	0-5	---	0-4	1-5
	13-48	18-27	20.0-30.0	7.4-8.4	1-5	---	0-8	5-12
	48-60	18-27	20.0-30.0	8.5-9.0	1-5	---	4-16	13-30
Clurde	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5
2555:								
Piline	0-12	35-40	20.0-30.0	7.4-7.8	---	---	---	---
	12-60	35-50	20.0-40.0	7.4-7.8	---	---	0-2	0-5
2560:								
McCleary	0-4	20-27	12.0-17.0	7.9-8.4	---	---	0-2	---
	4-60	40-50	32.0-41.0	7.9-8.4	---	---	0-2	---
2561:								
McCleary	0-5	20-27	12.0-17.0	7.9-8.4	---	---	0-2	---
	5-60	40-50	32.0-41.0	7.9-8.4	---	---	0-2	---
2571:								
Chiara	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-21	---	---	---	---	---	---	---
Chiara	0-6	10-18	15.0-25.0	7.4-8.4	---	---	---	0-5
	6-17	10-18	15.0-40.0	7.4-8.4	0-1	---	0-2	5-25
	17-21	---	---	---	---	---	---	---
Chiara	0-6	10-18	15.0-25.0	7.4-8.4	---	---	---	0-5
	6-17	10-18	15.0-40.0	7.4-8.4	0-1	---	0-2	5-25
	17-21	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2572:								
Chiara----------	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-21	---	---	---	---	---	---	---
Chiara----------	0-4	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	4-14	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	14-18	---	---	---	---	---	---	---
2573:								
Chiara----------	0-6	10-18	15.0-25.0	7.4-8.4	---	---	---	0-5
	6-17	10-18	15.0-40.0	7.4-8.4	0-1	---	0-2	5-25
	17-21	---	---	---	---	---	---	---
Chiara----------	0-6	10-18	15.0-25.0	7.4-8.4	---	---	---	0-5
	6-17	10-18	15.0-40.0	7.4-8.4	0-1	---	0-2	5-25
	17-21	---	---	---	---	---	---	---
2575:								
Chiara----------	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-21	---	---	---	---	---	---	---
Dacker----------	0-6	10-20	15.0-20.0	6.6-7.8	---	---	---	---
	6-25	27-35	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	25-32	25-33	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	32-60	---	---	---	---	---	---	---
Shalake---------	0-8	12-18	9.0-17.0	7.4-8.4	---	---	---	---
	8-25	12-18	8.0-15.0	7.4-9.0	0-5	---	0-4	0-5
	25-60	---	---	---	---	---	---	---
2577:								
Chiara----------	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-21	---	---	---	---	---	---	---
Orovada---------	0-5	10-15	15.0-20.0	6.6-8.4	---	---	---	0-5
	5-29	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	0-5
	29-60	5-18	10.0-20.0	7.9-9.6	1-15	---	4-16	1-12

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2600:								
Shalake---------	0-8	12-18	9.0-17.0	7.4-8.4	---	---	---	---
	8-25	12-18	8.0-15.0	7.4-9.0	0-5	---	0-4	0-5
	25-60	---	---	---	---	---	---	---
Chiara----------	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-21	---	---	---	---	---	---	---
Shalake---------	0-8	12-18	9.0-17.0	7.4-8.4	---	---	---	---
	8-25	12-18	8.0-15.0	7.4-9.0	0-5	---	0-4	0-5
	25-60	---	---	---	---	---	---	---
2611:								
Dacker----------	0-6	15-25	20.0-25.0	6.6-7.8	---	---	---	---
	6-25	27-35	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	25-32	25-33	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	32-60	---	---	---	---	---	---	---
Hunnton---------	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
2612:								
Dacker----------	0-6	10-20	15.0-20.0	6.6-7.8	---	---	---	---
	6-25	27-35	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	25-32	25-33	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	32-60	---	---	---	---	---	---	---
Zevadez---------	0-10	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	10-19	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	19-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---
2615:								
Dacker----------	0-6	10-20	15.0-20.0	6.6-7.8	---	---	---	---
	6-25	27-35	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	25-32	25-33	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	32-60	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Chiara----------	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-21	---	---	---	---	---	---	---
2621:								
Gochea----------	0-9	10-20	10.0-15.0	6.6-7.8	---	---	---	---
	9-25	25-35	15.0-25.0	7.4-7.8	---	---	---	---
	25-30	10-15	5.0-10.0	7.4-7.8	---	---	---	---
	30-60	2-5	0.0-5.0	7.4-7.8	0-1	---	---	---
Susie Creek-----	0-10	20-27	16.0-25.0	6.6-7.3	---	---	---	---
	10-30	35-55	24.0-40.0	6.6-7.8	---	---	---	---
	30-60	18-30	12.0-22.0	7.4-9.0	0-3	---	0-2	0-5
Carstump--------	0-14	12-20	9.0-18.0	6.6-7.3	---	---	---	---
	14-36	40-55	33.0-46.0	6.6-9.0	0-5	---	0-2	---
	36-40	---	---	---	---	---	---	---
2641:								
Olac------------	0-4	15-22	11.0-17.0	6.1-7.8	---	---	---	---
	4-14	23-30	15.0-20.0	6.1-7.8	---	---	---	---
	14-18	---	---	---	---	---	---	---
Snowmore--------	0-4	15-20	15.0-20.0	6.6-7.8	---	---	0-2	0-5
	4-13	20-30	15.0-30.0	7.4-7.8	---	---	0-2	0-12
	13-22	25-35	15.0-30.0	7.9-8.4	0-15	---	0-2	0-12
	22-29	---	---	---	---	---	---	---
	29-39	---	---	---	---	---	---	---
2650:								
Wieland---------	0-4	18-27	15.0-30.0	7.4-8.4	---	---	0-2	---
	4-30	40-55	30.0-60.0	7.4-9.0	0-5	---	0-4	---
	30-60	10-20	20.0-40.0	7.9-9.0	5-20	---	0-8	0-5
Bartome---------	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Zevadez---------	0-10	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	10-19	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	19-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---
2651:								
Wieland---------	0-4	8-22	10.0-20.0	7.4-8.4	---	---	0-2	0-5
	4-30	40-55	25.0-45.0	7.4-9.0	0-5	---	0-4	2-12
	30-60	10-20	5.0-15.0	7.9-9.0	5-20	---	0-8	2-12
Buffaran--------	0-5	10-18	8.0-15.0	6.6-7.8	---	---	---	---
	5-18	35-50	29.0-42.0	6.6-8.4	---	---	0-2	---
	18-25	---	---	---	---	---	---	---
	25-60	---	---	---	---	---	---	---
2652:								
Wieland---------	0-4	8-22	10.0-20.0	7.4-8.4	---	---	0-2	0-5
	4-30	40-55	25.0-45.0	7.4-9.0	0-5	---	0-4	2-12
	30-60	10-20	5.0-15.0	7.9-9.0	5-20	---	0-8	2-12
Dacker----------	0-6	15-25	20.0-25.0	6.6-7.8	---	---	---	---
	6-25	27-35	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	25-32	25-33	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	32-60	---	---	---	---	---	---	---
Zevadez---------	0-10	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	10-19	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	19-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---
2655:								
Wieland---------	0-4	8-22	10.0-20.0	7.4-8.4	---	---	0-2	0-5
	4-30	40-55	25.0-45.0	7.4-9.0	0-5	---	0-4	2-12
	30-60	10-20	5.0-15.0	7.9-9.0	5-20	---	0-8	2-12
Gumble----------	0-4	15-20	11.0-16.0	6.6-7.8	---	---	---	---
	4-18	40-60	33.0-50.0	7.4-8.4	0-5	---	0-2	---
	18-28	---	---	---	---	---	---	---
Bilbo-----------	0-5	15-25	10.0-25.0	6.6-7.8	---	---	---	---
	5-40	35-50	20.0-40.0	6.6-7.8	---	---	0-2	0-12
	40-60	5-15	5.0-10.0	7.4-8.4	10-20	---	0-2	1-12

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2656:								
Wieland	0-4	8-22	10.0-20.0	7.4-8.4	---	---	0-2	0-5
	4-30	40-55	25.0-45.0	7.4-9.0	0-5	---	0-4	2-12
	30-60	10-20	5.0-15.0	7.9-9.0	5-20	---	0-8	2-12
Hunnton	0-3	10-25	10.0-25.0	7.4-8.4	---	---	0-4	0-5
	3-6	20-30	15.0-25.0	7.9-8.4	---	---	0-4	0-5
	6-36	45-55	35.0-55.0	7.4-8.4	0-5	---	0-4	1-5
	36-40	---	---	---	---	---	---	---
Thwoop	0-4	14-22	10.0-17.0	6.6-7.8	---	---	---	---
	4-10	20-27	14.0-20.0	6.6-7.8	---	---	---	---
	10-25	35-45	29.0-38.0	6.6-7.8	0-5	---	---	---
	25-27	---	---	---	---	---	---	---
	27-37	---	---	---	---	---	---	---
2658:								
Wieland	0-5	18-27	15.0-30.0	7.4-8.4	---	---	0-2	---
	5-26	40-55	30.0-60.0	7.4-9.0	0-5	---	0-4	---
	26-52	27-35	25.0-40.0	7.9-9.0	5-20	---	0-8	0-5
	52-60	10-20	20.0-40.0	7.9-9.0	5-20	---	0-8	0-5
2666:								
Puett	0-3	5-10	4.0-9.0	7.9-9.0	1-5	---	0-2	---
	3-10	5-10	3.0-8.0	7.9-9.0	1-5	0-1	0-2	0-5
	10-14	---	---	---	---	---	---	---
Orovada	0-5	10-15	15.0-20.0	6.6-8.4	---	---	---	0-5
	5-29	5-18	10.0-20.0	7.4-8.4	0-5	---	0-4	0-5
	29-60	5-18	10.0-20.0	7.9-9.6	1-15	---	4-16	1-12
2667:								
Rock Outcrop.								
Puett	0-3	10-20	10.0-20.0	7.9-9.0	1-5	---	0-2	0-5
	3-10	5-10	5.0-10.0	7.9-9.0	1-5	---	0-2	5-12
	10-14	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Clurde----------	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5
2668:								
Puett----------	0-3	10-20	10.0-20.0	7.9-9.0	1-5	---	0-2	0-5
	3-10	5-10	5.0-10.0	7.9-9.0	1-5	---	0-2	5-12
	10-14	---	---	---	---	---	---	---
Yuko----------	0-4	10-18	10.0-20.0	6.1-7.3	---	---	---	---
	4-14	30-40	25.0-35.0	6.1-8.4	---	---	0-2	---
	14-18	---	---	---	---	---	---	---
Zevadez---------	0-10	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	10-19	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	19-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---
2710:								
Ramires---------	0-5	15-20	11.0-16.0	7.4-7.8	---	---	---	---
	5-24	35-40	29.0-36.0	7.4-8.4	0-1	---	---	---
	24-40	15-20	10.0-14.0	7.9-8.4	1-5	---	0-2	---
	40-50	---	---	---	---	---	---	---
Bartome---------	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---
Bilbo----------	0-5	10-20	5.0-20.0	6.6-7.8	---	---	---	---
	5-40	35-50	20.0-40.0	6.6-7.8	---	---	0-2	0-12
	40-60	5-15	5.0-10.0	7.4-8.4	10-20	---	0-2	1-12
2711:								
Ramires---------	0-5	15-20	11.0-16.0	7.4-7.8	---	---	---	---
	5-24	35-40	29.0-36.0	7.4-8.4	0-1	---	---	---
	24-40	15-20	10.0-14.0	7.9-8.4	1-5	---	0-2	---
	40-50	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Bilbo	0-5	10-20	5.0-20.0	6.6-7.8	---	---	---	---
	5-40	35-50	20.0-40.0	6.6-7.8	---	---	0-2	0-12
	40-60	5-15	5.0-10.0	7.4-8.4	10-20	---	0-2	1-12
Buffaran	0-5	10-18	8.0-15.0	6.6-7.8	---	---	---	---
	5-18	35-50	29.0-42.0	6.6-8.4	---	---	0-2	---
	18-25	---	---	---	---	---	---	---
	25-60	---	---	---	---	---	---	---
2741:								
Wilsor	0-7	15-20	11.0-16.0	6.6-7.3	---	---	---	---
	7-17	25-35	16.0-23.0	7.4-8.4	---	---	0-2	---
	17-46	15-25	9.0-16.0	8.5-9.0	5-10	---	4-8	13-45
	46-56	---	---	---	---	---	---	---
Wilsor	0-7	15-20	11.0-16.0	6.6-7.3	---	---	---	---
	7-17	25-35	16.0-23.0	7.4-8.4	---	---	0-2	---
	17-46	15-25	9.0-16.0	8.5-9.0	5-10	---	4-8	13-45
	46-56	---	---	---	---	---	---	---
2751:								
Yuko	0-4	10-18	10.0-20.0	6.1-7.3	---	---	---	---
	4-14	30-40	25.0-35.0	6.1-8.4	---	---	0-2	---
	14-18	---	---	---	---	---	---	---
Chime	0-6	18-25	13.0-19.0	7.4-7.8	---	---	---	---
	6-15	27-35	17.0-23.0	7.4-7.8	---	---	0-2	---
	15-22	20-35	12.0-22.0	7.4-8.4	---	---	0-2	---
	22-32	---	---	---	---	---	---	---
Clurde	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5
2775:								
Zevadez	0-10	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	10-19	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	19-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Bartome---	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---
Wieland---	0-4	8-22	10.0-20.0	7.4-8.4	---	---	0-2	0-5
	4-30	40-55	25.0-45.0	7.4-9.0	0-5	---	0-4	2-12
	30-60	10-20	5.0-15.0	7.9-9.0	5-20	---	0-8	2-12
2776:								
Zevadez---	0-10	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	10-19	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	19-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---
Chiara---	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-21	---	---	---	---	---	---	---
2777:								
Zevadez---	0-10	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	10-19	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	19-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---
Wieland---	0-4	8-22	10.0-20.0	7.4-8.4	---	---	0-2	0-5
	4-30	40-55	25.0-45.0	7.4-9.0	0-5	---	0-4	2-12
	30-60	10-20	5.0-15.0	7.9-9.0	5-20	---	0-8	2-12
Clurde---	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5
2778:								
Zevadez---	0-10	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	10-19	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	19-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---
Yuko---	0-4	10-18	10.0-20.0	6.1-7.3	---	---	---	---
	4-14	30-40	25.0-35.0	6.1-8.4	---	---	0-2	---
	14-18	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Kelk	0-13	15-20	10.0-20.0	6.6-8.4	0-5	---	0-4	1-5
	13-48	18-27	20.0-30.0	7.4-8.4	1-5	---	0-8	5-12
	48-60	18-27	20.0-30.0	8.5-9.0	1-5	---	4-16	13-30
2780:								
Snowmore	0-4	10-20	10.0-20.0	7.4-7.8	---	---	---	0-5
	4-13	20-30	10.0-25.0	7.4-9.0	---	---	0-2	0-12
	13-22	25-35	15.0-30.0	7.9-9.0	0-5	---	0-2	5-12
	22-28	---	---	---	---	---	---	---
	28-38	---	---	---	---	---	---	---
Snowmore	0-4	15-20	15.0-20.0	6.6-7.8	---	---	0-2	0-5
	4-13	20-30	15.0-30.0	7.4-7.8	---	---	0-2	0-12
	13-22	25-35	15.0-30.0	7.9-8.4	0-15	---	0-2	0-12
	22-29	---	---	---	---	---	---	---
	29-39	---	---	---	---	---	---	---
2781:								
Snowmore	0-4	10-20	10.0-20.0	7.4-7.8	---	---	---	0-5
	4-13	20-30	10.0-25.0	7.4-9.0	---	---	0-2	0-12
	13-22	25-35	15.0-30.0	7.9-9.0	0-5	---	0-2	5-12
	22-28	---	---	---	---	---	---	---
	28-38	---	---	---	---	---	---	---
Snowmore	0-4	15-25	10.0-25.0	7.4-7.8	---	---	---	0-5
	4-13	20-30	10.0-25.0	7.4-9.0	---	---	0-2	0-12
	13-22	25-35	15.0-30.0	7.9-9.0	0-5	---	0-2	5-12
	22-28	---	---	---	---	---	---	---
	28-38	---	---	---	---	---	---	---
Snowmore	0-4	15-20	15.0-20.0	6.6-7.8	---	---	0-2	0-5
	4-13	20-30	15.0-30.0	7.4-7.8	---	---	0-2	0-12
	13-22	25-35	15.0-30.0	7.9-8.4	0-15	---	0-2	0-12
	22-29	---	---	---	---	---	---	---
	29-39	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
2782:								
Snowmore	0-4	15-20	15.0-20.0	6.6-7.8	---	---	0-2	0-5
	4-13	20-30	15.0-30.0	7.4-7.8	---	---	0-2	0-12
	13-22	25-35	15.0-30.0	7.9-8.4	0-15	---	0-2	0-12
	22-29	---	---	---	---	---	---	---
	29-39	---	---	---	---	---	---	---
Zevadez	0-10	10-20	10.0-20.0	6.6-7.8	---	---	---	---
	10-19	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	19-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---
Snowmore	0-4	10-20	10.0-20.0	7.4-7.8	---	---	---	0-5
	4-13	20-30	10.0-25.0	7.4-9.0	---	---	0-2	0-12
	13-22	25-35	15.0-30.0	7.9-9.0	0-5	---	0-2	5-12
	22-28	---	---	---	---	---	---	---
	28-38	---	---	---	---	---	---	---
2783:								
Snowmore	0-4	15-20	15.0-20.0	6.6-7.8	---	---	0-2	0-5
	4-13	20-30	15.0-30.0	7.4-7.8	---	---	0-2	0-12
	13-22	25-35	15.0-30.0	7.9-8.4	0-15	---	0-2	0-12
	22-29	---	---	---	---	---	---	---
	29-39	---	---	---	---	---	---	---
Willhill	0-6	18-25	15.0-25.0	6.6-7.8	---	---	---	---
	6-11	27-35	20.0-30.0	6.6-7.8	---	---	---	---
	11-23	16-25	10.0-25.0	7.9-9.0	15-30	---	0-2	0-5
	23-27	---	---	---	---	---	---	---
2790:								
Old Camp	0-6	10-20	8.0-16.0	6.6-7.8	---	---	0-2	0-5
	6-16	27-35	17.0-23.0	6.6-9.0	0-5	---	0-2	0-5
	16-20	---	---	---	---	---	---	---
Troughs	0-2	20-27	15.0-25.0	7.4-8.4	---	---	0-2	0-5
	2-14	27-35	20.0-30.0	7.4-9.0	0-10	---	0-2	0-5
	14-20	---	---	---	---	---	---	---
	20-24	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Olac	0-4	15-22	11.0-17.0	6.1-7.8	---	---	---	---
	4-14	23-30	15.0-20.0	6.1-7.8	---	---	---	---
	14-18	---	---	---	---	---	---	---
2801:								
Bartome	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---
Alley	0-7	10-20	0.0-20.0	6.6-8.4	---	---	---	0-5
	7-20	20-30	10.0-25.0	6.6-8.4	10-20	---	0-2	0-5
	20-40	10-20	5.0-20.0	7.9-9.0	15-30	---	2-8	1-12
	40-60	5-10	4.0-7.0	7.9-9.0	15-30	---	2-8	1-12
Clurde	0-6	15-20	12.0-18.0	6.6-7.8	---	---	---	---
	6-29	18-23	13.0-18.0	7.9-8.4	0-1	---	0-2	0-5
	29-43	15-20	10.0-15.0	7.9-8.4	0-3	---	0-2	0-5
	43-60	5-10	3.0-8.0	7.9-8.4	0-3	---	0-2	0-5
2802:								
Bartome	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---
Buffaran	0-5	10-18	8.0-15.0	6.6-7.8	---	---	---	---
	5-18	35-50	29.0-42.0	6.6-8.4	---	---	0-2	---
	18-25	---	---	---	---	---	---	---
	25-60	---	---	---	---	---	---	---
2803:								
Bartome	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---
Buffaran	0-5	10-18	8.0-15.0	6.6-7.8	---	---	---	---
	5-18	35-50	29.0-42.0	6.6-8.4	---	---	0-2	---
	18-25	---	---	---	---	---	---	---
	25-60	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Ramires---------	0-5	15-20	11.0-16.0	7.4-7.8	---	---	---	---
	5-24	35-40	29.0-36.0	7.4-8.4	0-1	---	---	---
	24-40	15-20	10.0-14.0	7.9-8.4	1-5	---	0-2	---
	40-50	---	---	---	---	---	---	---
2804:								
Bartome---------	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---
Chiara----------	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-21	---	---	---	---	---	---	---
2805:								
Bartome---------	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---
2807:								
Bartome---------	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---
Coltroop--------	0-5	15-20	11.0-16.0	7.4-7.8	---	---	0-2	1-5
	5-17	20-30	13.0-20.0	7.4-8.4	0-5	---	0-2	1-12
	17-32	---	---	---	---	---	---	---
	32-42	---	---	---	---	---	---	---
Zevadez---------	0-10	15-25	10.0-25.0	6.6-7.8	---	---	---	---
	10-19	20-35	10.0-30.0	7.4-8.4	0-4	---	---	1-12
	19-60	10-20	5.0-15.0	7.4-8.4	0-4	---	0-2	---
2808:								
Bartome---------	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Susie Creek-----	0-10	10-20	9.0-20.0	7.4-7.8	---	---	---	---
	10-30	35-55	24.0-40.0	6.6-7.8	---	---	---	---
	30-60	18-30	12.0-22.0	7.4-9.0	0-3	---	0-2	0-5
Wieland---------	0-4	5-20	5.0-20.0	7.4-8.4	---	---	0-2	0-5
	4-30	40-55	25.0-45.0	7.4-9.0	0-5	---	0-4	2-12
	30-60	10-20	5.0-15.0	7.9-9.0	5-20	---	0-8	2-12
2809:								
Bartome---------	0-7	12-20	15.0-25.0	6.6-8.4	---	---	---	---
	7-14	27-35	15.0-30.0	6.6-9.0	0-5	---	0-4	0-5
	14-28	---	---	---	---	---	---	---
	28-42	---	---	---	---	---	---	---
Dacker----------	0-6	15-25	20.0-25.0	6.6-7.8	---	---	---	---
	6-25	27-35	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	25-32	25-33	25.0-35.0	7.4-8.4	---	---	0-4	0-5
	32-60	---	---	---	---	---	---	---
2820:								
Rock Outcrop.								
Alley-----------	0-7	7-15	6.0-19.0	6.6-7.3	---	---	---	---
	7-20	20-30	17.0-20.0	7.4-8.4	---	---	2-4	1-5
	20-40	5-10	3.0-7.0	7.9-9.0	1-5	---	4-8	5-12
	40-60	5-10	3.0-7.0	7.9-9.0	1-5	---	4-8	5-12
Vanwyper--------	0-10	18-25	13.0-19.0	6.6-7.3	---	---	---	---
	10-25	35-55	28.0-45.0	6.6-7.8	---	---	---	---
	25-29	---	---	---	---	---	---	---
2822:								
Rock Outcrop.								
Rubble Land.								
Alley-----------	0-7	7-15	6.0-19.0	6.6-7.3	---	---	---	---
	7-20	20-30	17.0-20.0	7.4-8.4	---	---	2-4	1-5
	20-40	5-10	3.0-7.0	7.9-9.0	1-5	---	4-8	5-12
	40-60	5-10	3.0-7.0	7.9-9.0	1-5	---	4-8	5-12

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
3000:								
Handy----------	0-10	10-25	8.0-19.0	6.6-7.8	---	---	---	---
	10-28	40-50	33.0-42.0	6.6-8.4	0-10	---	---	---
	28-60	5-15	3.0-10.0	7.9-9.0	5-10	---	0-2	1-12
Wilsor----------	0-7	15-20	11.0-16.0	6.6-7.3	---	---	---	---
	7-17	25-35	16.0-23.0	7.4-8.4	---	---	0-2	---
	17-46	15-25	9.0-16.0	8.5-9.0	5-10	---	4-8	13-45
	46-56	---	---	---	---	---	---	---
Deseed----------	0-4	15-25	11.0-21.0	6.6-7.3	---	---	---	---
	4-26	35-45	29.0-40.0	6.6-7.8	---	---	---	---
	26-30	---	---	---	---	---	---	---
3010:								
Relley----------	0-6	18-27	25.0-40.0	7.9-9.0	0-5	---	0-2	0-5
	6-14	18-27	20.0-35.0	7.9-9.0	1-5	---	0-2	0-5
	14-25	18-27	20.0-35.0	7.9-9.0	1-5	---	0-2	0-5
	25-60	18-27	20.0-35.0	7.9-9.0	5-15	---	8-32	25-60
Kelk----------	0-13	15-20	10.0-20.0	6.6-8.4	0-5	---	0-4	1-5
	13-48	18-27	20.0-30.0	7.4-8.4	1-5	---	0-8	5-12
	48-60	18-27	20.0-30.0	8.5-9.0	1-5	---	4-16	13-30
3020:								
Sodhouse--------	0-6	10-18	10.0-25.0	7.9-8.4	0-5	---	0-2	5-12
	6-19	10-18	10.0-25.0	7.9-9.0	0-10	---	0-2	13-30
	19-25	---	---	---	---	---	---	---
	25-56	5-15	5.0-10.0	7.9-9.0	5-10	---	0-8	13-45
Chiara----------	0-6	10-18	15.0-28.0	6.6-8.4	---	---	0-2	0-5
	6-17	10-18	15.0-28.0	6.6-9.0	0-25	---	0-4	5-25
	17-21	---	---	---	---	---	---	---
3030:								
Deepeek----------	0-5	15-20	11.0-16.0	7.4-7.8	---	---	---	---
	5-18	25-35	16.0-23.0	7.9-9.0	0-1	---	0-4	1-12
	18-24	---	---	---	---	---	---	---
	24-42	10-20	6.0-13.0	8.5-9.0	1-5	---	0-8	13-30

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Alley----------	0-7	10-20	8.0-16.0	6.6-7.3	---	---	---	---
	7-20	20-30	17.0-20.0	7.4-8.4	---	---	2-4	1-5
	20-40	5-10	3.0-7.0	7.9-9.0	1-5	---	4-8	5-12
	40-60	5-10	3.0-7.0	7.9-9.0	1-5	---	4-8	5-12
3100:								
Ratsow----------	0-7	15-20	14.0-18.0	7.4-7.8	---	---	---	---
	7-29	35-50	25.0-36.0	7.4-8.4	0-3	---	0-2	---
	29-30	---	---	---	---	---	---	---
	30-34	---	---	---	---	---	---	---
Quarz----------	0-6	15-27	15.0-25.0	6.6-7.3	---	---	---	---
	6-15	30-40	20.0-30.0	6.6-7.3	---	---	---	---
	15-21	35-55	20.0-35.0	6.6-7.3	---	---	---	---
	21-25	---	---	---	---	---	---	---
Susie Creek-----	0-10	20-27	16.0-25.0	6.6-7.3	---	---	---	---
	10-30	35-55	24.0-40.0	6.6-7.8	---	---	---	---
	30-60	18-30	12.0-22.0	7.4-9.0	0-3	---	0-2	0-5
3510:								
Midraw----------	0-2	18-25	10.0-25.0	6.6-7.8	---	---	---	---
	2-19	35-45	20.0-35.0	6.6-8.4	---	---	0-2	0-12
	19-25	---	---	---	---	---	---	---
	25-29	---	---	---	---	---	---	---
Troughs---------	0-2	20-27	15.0-25.0	7.4-8.4	---	---	0-2	0-5
	2-14	27-35	20.0-30.0	7.4-9.0	0-10	---	0-2	0-5
	14-19	18-32	10.0-25.0	7.9-9.6	15-40	---	0-4	2-10
	19-20	---	---	---	---	---	---	---
	20-24	---	---	---	---	---	---	---
Midraw----------	0-2	18-25	10.0-25.0	6.6-7.8	---	---	---	0-5
	2-19	35-45	20.0-35.0	6.6-8.4	---	---	0-2	0-12
	19-25	---	---	---	---	---	---	---
	25-29	---	---	---	---	---	---	---
3710:								
Rock Outcrop.								

TABLE 17.--CHEMICAL PROPERTIES OF THE SOILS--Continued

Map symbol and soil name	Depth	Clay	Cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
Petan----------	0-6	18-27	15.0-22.0	6.1-7.8	---	---	---	---
	6-19	40-60	34.0-52.0	6.1-7.8	---	---	---	---
	19-20	---	---	---	---	---	---	---
	20-30	---	---	---	---	---	---	---
Bulake----------	0-7	18-25	13.0-19.0	6.6-7.3	---	---	---	---
	7-19	40-50	33.0-42.0	6.6-7.3	---	---	---	---
	19-23	---	---	---	---	---	---	---
3715:								
Petan----------	0-6	18-27	15.0-22.0	6.1-7.8	---	---	---	---
	6-19	40-60	34.0-52.0	6.1-7.8	---	---	---	---
	19-20	---	---	---	---	---	---	---
	20-30	---	---	---	---	---	---	---
Deunah----------	0-9	15-27	15.0-25.0	5.6-7.3	---	---	---	---
	9-26	60-70	40.0-60.0	6.6-7.8	---	---	---	---
	26-33	---	---	---	---	---	---	---
Hatpeak---------	0-10	15-25	15.0-30.0	6.1-7.3	---	---	---	---
	10-30	35-50	30.0-50.0	6.6-7.8	---	---	0-2	---
	30-60	---	---	---	---	---	---	---
3721:								
Hatpeak---------	0-10	15-25	15.0-30.0	6.1-7.3	---	---	---	---
	10-30	35-50	30.0-50.0	6.6-7.8	---	---	0-2	---
	30-60	---	---	---	---	---	---	---
Deunah----------	0-9	15-27	15.0-25.0	5.6-7.3	---	---	---	---
	9-26	60-70	40.0-60.0	6.6-7.8	---	---	---	---
	26-33	---	---	---	---	---	---	---
3722:								
Hatpeak---------	0-10	15-25	15.0-30.0	6.1-7.3	---	---	---	---
	10-30	35-50	30.0-50.0	6.6-7.8	---	---	0-2	---
	30-60	---	---	---	---	---	---	---
Hatpeak---------	0-10	15-25	15.0-30.0	6.1-7.3	---	---	---	---
	10-30	35-50	30.0-50.0	6.6-7.8	---	---	0-2	---
	30-60	---	---	---	---	---	---	---

TABLE 18.--WATER FEATURES

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1:									
Rubble Land-----	A	None	---	---	>6.0	---	---	---	---
120:									
Cotant----------	D	None	---	---	>6.0	---	---	---	---
Lerrow----------	C	None	---	---	>6.0	---	---	---	---
Cotant----------	D	None	---	---	>6.0	---	---	---	---
126:									
Cotant----------	D	None	---	---	>6.0	---	---	---	---
Lerrow----------	C	None	---	---	>6.0	---	---	---	---
Akler-----------	D	None	---	---	>6.0	---	---	---	---
127:									
Cotant----------	D	None	---	---	>6.0	---	---	---	---
Ninemile--------	D	None	---	---	>6.0	---	---	---	---
Lerrow----------	C	None	---	---	>6.0	---	---	---	---
128:									
Cotant----------	D	None	---	---	>6.0	---	---	---	---
Graley----------	D	None	---	---	>6.0	---	---	---	---
129:									
Cotant----------	D	None	---	---	>6.0	---	---	---	---
Chen------------	D	None	---	---	>6.0	---	---	---	---
Crooked Creek---	D	Occasional	Brief	Mar-Jun	1.0-1.5	Apparent	Jan-Jul	---	---
130:									
Cotant----------	D	None	---	---	>6.0	---	---	---	---
Booford---------	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
140:									
Upville---------	B	Frequent	Long	Feb-Jun	>6.0	---	---	---	---
Upville---------	B	None	---	---	>6.0	---	---	---	---
141:									
Upville---------	B	None	---	---	>6.0	---	---	---	---
Kleckner--------	C	None	---	---	>6.0	---	---	---	---
150:									
Gochea----------	B	None	---	---	>6.0	---	---	---	---
161:									
Sonoma----------	B	None	---	---	>6.0	---	---	---	---
162:									
Sonoma----------	C	Occasional	Long	Mar-Jun	3.5-5.0	Apparent	Mar-Jun	---	---
184:									
Crooked Creek---	D	Frequent	Brief	Mar-Jun	1.0-1.5	Apparent	Jan-Jul	---	---
185:									
Crooked Creek---	D	Frequent	Brief	Mar-Jun	1.0-1.5	Apparent	Jan-Jul	---	---
Crooked Creek---	D	Frequent	Brief	Mar-Jun	1.0-1.5	Apparent	Jan-Jul	---	---
186:									
Crooked Creek---	D	Frequent	Brief	Mar-Jun	1.0-1.5	Apparent	Jan-Jul	---	---
Crooked Creek---	D	Occasional	Brief	Mar-Jun	1.0-1.5	Apparent	Jan-Jul	---	---
Crooked Creek---	C	Rare	---	---	5.0-6.0	Apparent	Jan-Mar	---	---
188:									
Crooked Creek---	D	Frequent	Brief	Mar-Jun	1.0-1.5	Apparent	Jan-Jul	---	---
Welch-----------	B	Rare	---	---	4.0-6.0	Apparent	Mar-Jun	---	---
Crooked Creek---	C	Rare	---	---	5.0-6.0	Apparent	Jan-Mar	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
190:									
Heechee	B	None	---	---	>6.0	---	---	---	---
Heechee	B	None	---	---	>6.0	---	---	---	---
200:									
Lynnbow	D	None	---	---	>6.0	---	---	---	---
Rugar	C	None	---	---	>6.0	---	---	---	---
201:									
Lynnbow	D	None	---	---	>6.0	---	---	---	---
Lerrow	C	None	---	---	>6.0	---	---	---	---
Crooked Creek	D	Occasional	Brief	Mar-Jun	1.0-1.5	Apparent	Jan-Jul	---	---
210:									
Soonaker	C	None	---	---	>6.0	---	---	---	---
Bulake	D	None	---	---	>6.0	---	---	---	---
220:									
Cavanaugh	C	None	---	---	>6.0	---	---	---	---
Rugar	C	None	---	---	>6.0	---	---	---	---
McIvey	C	None	---	---	>6.0	---	---	---	---
221:									
Cavanaugh	C	None	---	---	>6.0	---	---	---	---
Quarz	C	None	---	---	>6.0	---	---	---	---
Alyan	C	None	---	---	>6.0	---	---	---	---
233:									
Bioya	C	None	---	---	>6.0	---	---	---	---
Bilbo	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Chiara----------	D	None	---	---	>6.0	---	---	---	---
234:									
Bioya----------	C	None	---	---	>6.0	---	---	---	---
Shabliss--------	D	None	---	---	>6.0	---	---	---	---
Puett----------	D	None	---	---	>6.0	---	---	---	---
235:									
Bioya----------	C	None	---	---	>6.0	---	---	---	---
Trunk----------	D	None	---	---	>6.0	---	---	---	---
Alley----------	B	None	---	---	>6.0	---	---	---	---
236:									
Bioya----------	C	None	---	---	>6.0	---	---	---	---
Wieland---------	C	None	---	---	>6.0	---	---	---	---
Kleckner--------	C	None	---	---	>6.0	---	---	---	---
241:									
Wickahoney------	D	None	---	---	>6.0	---	---	---	---
Deunah----------	D	None	---	---	>6.0	---	---	---	---
Petan----------	D	None	---	---	>6.0	---	---	---	---
270:									
Pernty----------	D	None	---	---	>6.0	---	---	---	---
Loncan----------	C	None	---	---	>6.0	---	---	---	---
Pernty----------	D	None	---	---	>6.0	---	---	---	---
280:									
Humboldt--------	D	Occasional	Long	Feb-Jun	0.5-2.0	Apparent	Dec-Jun	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
308:									
Akler	D	None	---	---	>6.0	---	---	---	---
Pattani	D	None	---	---	>6.0	---	---	---	---
Cotant	D	None	---	---	>6.0	---	---	---	---
309:									
Akler	D	None	---	---	>6.0	---	---	---	---
Susie Creek	C	None	---	---	>6.0	---	---	---	---
457:									
Donna	D	None	---	---	>6.0	---	---	---	---
Stampede	D	None	---	---	>6.0	---	---	---	---
Short Creek	C	None	---	---	>6.0	---	---	---	---
458:									
Donna	D	None	---	---	>6.0	---	---	---	---
Stampede	D	None	---	---	>6.0	---	---	---	---
464:									
Stampede	D	None	---	---	>6.0	---	---	---	---
570:									
Sumine	C	None	---	---	>6.0	---	---	---	---
Cleavage	D	None	---	---	>6.0	---	---	---	---
Hapgood	B	None	---	---	>6.0	---	---	---	---
571:									
Sumine	C	None	---	---	>6.0	---	---	---	---
Tusel	B	None	---	---	>6.0	---	---	---	---
Gando	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
572:									
Sumine	C	None	---	---	>6.0	---	---	---	---
Reluctan	C	None	---	---	>6.0	---	---	---	---
Cleavage	D	None	---	---	>6.0	---	---	---	---
576:									
Sumine	C	None	---	---	>6.0	---	---	---	---
Hapgood	B	None	---	---	>6.0	---	---	---	---
Cleavage	D	None	---	---	>6.0	---	---	---	---
577:									
Sumine	C	None	---	---	>6.0	---	---	---	---
Hapgood	B	None	---	---	>6.0	---	---	---	---
Chen	D	None	---	---	>6.0	---	---	---	---
578:									
Sumine	C	None	---	---	>6.0	---	---	---	---
Tusel	B	None	---	---	>6.0	---	---	---	---
Hapgood	B	None	---	---	>6.0	---	---	---	---
579:									
Sumine	C	None	---	---	>6.0	---	---	---	---
Pernty	D	None	---	---	>6.0	---	---	---	---
Tusel	B	None	---	---	>6.0	---	---	---	---
580:									
Sumine	C	None	---	---	>6.0	---	---	---	---
Pie Creek	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
Reluctan--------	C	None	---	---	>6.0	---	---	---	---
581:									
Sumine----------	C	None	---	---	>6.0	---	---	---	---
Hapgood---------	B	None	---	---	>6.0	---	---	---	---
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
582:									
Sumine----------	C	None	---	---	>6.0	---	---	---	---
Tusel-----------	B	None	---	---	>6.0	---	---	---	---
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
583:									
Sumine----------	C	None	---	---	>6.0	---	---	---	---
Hapgood---------	B	None	---	---	>6.0	---	---	---	---
Pernty----------	D	None	---	---	>6.0	---	---	---	---
584:									
Sumine----------	C	None	---	---	>6.0	---	---	---	---
Tusel-----------	B	None	---	---	>6.0	---	---	---	---
Hapgood---------	B	None	---	---	>6.0	---	---	---	---
585:									
Sumine----------	C	None	---	---	>6.0	---	---	---	---
Rock Outcrop----		None	---	---	>6.0	---	---	---	---
Rubble Land-----	A	None	---	---	>6.0	---	---	---	---
586:									
Sumine----------	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Loncan----------	C	None	---	---	>6.0	---	---	---	---
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
600:									
Hapgood---------	B	None	---	---	>6.0	---	---	---	---
Bullump---------	B	None	---	---	>6.0	---	---	---	---
Gando-----------	D	None	---	---	>6.0	---	---	---	---
601:									
Hapgood---------	B	None	---	---	>6.0	---	---	---	---
Blitzen---------	C	None	---	---	>6.0	---	---	---	---
Tusel-----------	B	None	---	---	>6.0	---	---	---	---
602:									
Hapgood---------	B	None	---	---	>6.0	---	---	---	---
Hackwood--------	B	None	---	---	>6.0	---	---	---	---
Tusel-----------	B	None	---	---	>6.0	---	---	---	---
623:									
Soughe----------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop----		None	---	---	>6.0	---	---	---	---
624:									
Soughe----------	D	None	---	---	>6.0	---	---	---	---
Soughe----------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop----		None	---	---	>6.0	---	---	---	---
625:									
Soughe----------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Alyan----------	C	None	---	---	>6.0	---	---	---	---
Shalper---------	D	None	---	---	>6.0	---	---	---	---
626:									
Soughe----------	D	None	---	---	>6.0	---	---	---	---
Vanwyper--------	C	None	---	---	>6.0	---	---	---	---
Soughe----------	D	None	---	---	>6.0	---	---	---	---
690:									
Welch-----------	B	Rare	---	---	4.0-6.0	Apparent	Mar-Jun	---	---
Welch-----------	D	Frequent	Brief	Mar-Jun	1.0-1.5	Apparent	Nov-Jun	---	---
920:									
Bullump---------	B	None	---	---	>6.0	---	---	---	---
Gando-----------	D	None	---	---	>6.0	---	---	---	---
Tusel-----------	B	None	---	---	>6.0	---	---	---	---
921:									
Bullump---------	B	None	---	---	>6.0	---	---	---	---
Hackwood--------	B	None	---	---	>6.0	---	---	---	---
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
922:									
Bullump---------	B	None	---	---	>6.0	---	---	---	---
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
Hapgood---------	B	None	---	---	>6.0	---	---	---	---
1130:									
Clementine------	B	Rare	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
1131:									
Clementine------	B	Rare	---	---	>6.0	---	---	---	---
Clementine------	B	Rare	---	---	>6.0	---	---	---	---
Clementine------	C	Occasional	Brief	Feb-May	1.5-2.0	Apparent	Feb-Jul	---	---
1135:									
Clementine------	B	Rare	---	---	>6.0	---	---	---	---
Clurde----------	B	None	---	---	>6.0	---	---	---	---
1150:									
Clurde----------	B	None	---	---	>6.0	---	---	---	---
Wieland---------	C	None	---	---	>6.0	---	---	---	---
1155:									
Clurde----------	B	None	---	---	>6.0	---	---	---	---
1156:									
Clurde----------	B	None	---	---	>6.0	---	---	---	---
Kortty----------	B	None	---	---	>6.0	---	---	---	---
1157:									
Clurde----------	B	None	---	---	>6.0	---	---	---	---
Zevadez---------	C	None	---	---	>6.0	---	---	---	---
Chiara----------	D	None	---	---	>6.0	---	---	---	---
1190:									
Cherry Spring---	C	None	---	---	>6.0	---	---	---	---
Enko------------	C	None	---	---	>6.0	---	---	---	---
1191:									
Cherry Spring---	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
Wieland---------	C	None	---	---	>6.0	---	---	---	---
1193:									
Cherry Spring---	C	None	---	---	>6.0	---	---	---	---
Hunnton---------	C	None	---	---	>6.0	---	---	---	---
Chiara----------	D	None	---	---	>6.0	---	---	---	---
1210:									
Skull Creek-----	C	None	---	---	>6.0	---	---	---	---
Shabliss--------	D	None	---	---	>6.0	---	---	---	---
Puett-----------	D	None	---	---	>6.0	---	---	---	---
1220:									
Hunnton---------	C	None	---	---	>6.0	---	---	---	---
Hunnton---------	C	None	---	---	>6.0	---	---	---	---
Fulstone--------	D	None	---	---	>6.0	---	---	---	---
1221:									
Hunnton---------	C	None	---	---	>6.0	---	---	---	---
Hunnton---------	C	None	---	---	>6.0	---	---	---	---
Fulstone--------	D	None	---	---	>6.0	---	---	---	---
1223:									
Hunnton---------	C	None	---	---	>6.0	---	---	---	---
Shabliss--------	D	None	---	---	>6.0	---	---	---	---
Puett-----------	D	None	---	---	>6.0	---	---	---	---
1224:									
Hunnton---------	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Trunk	D	None	---	---	>6.0	---	---	---	---
Shabliss	D	None	---	---	>6.0	---	---	---	---
1226:									
Hunnton	C	None	---	---	>6.0	---	---	---	---
Wieland	C	None	---	---	>6.0	---	---	---	---
Clementine	B	Rare	---	---	>6.0	---	---	---	---
1227:									
Hunnton	C	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---
Bilbo	C	None	---	---	>6.0	---	---	---	---
1228:									
Hunnton	C	None	---	---	>6.0	---	---	---	---
Hunnton	C	None	---	---	>6.0	---	---	---	---
1229:									
Hunnton	C	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---
Wieland	C	None	---	---	>6.0	---	---	---	---
1230:									
Fulstone	D	None	---	---	>6.0	---	---	---	---
Hunnton	C	None	---	---	>6.0	---	---	---	---
1231:									
Fulstone	D	None	---	---	>6.0	---	---	---	---
Fulstone	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
Hunnton---------	C	None	---	---	>6.0	---	---	---	---
1232:									
Fulstone--------	D	None	---	---	>6.0	---	---	---	---
Fulstone--------	D	None	---	---	>6.0	---	---	---	---
Wieland---------	C	None	---	---	>6.0	---	---	---	---
1241:									
Enko------------	C	None	---	---	>6.0	---	---	---	---
Shabliss--------	D	None	---	---	>6.0	---	---	---	---
Orovada---------	B	None	---	---	>6.0	---	---	---	---
1242:									
Enko------------	C	None	---	---	>6.0	---	---	---	---
Enko------------	C	None	---	---	>6.0	---	---	---	---
1260:									
Kleckner--------	C	None	---	---	>6.0	---	---	---	---
Upville---------	B	None	---	---	>6.0	---	---	---	---
Fulstone--------	D	None	---	---	>6.0	---	---	---	---
1261:									
Kleckner--------	C	None	---	---	>6.0	---	---	---	---
Heechee---------	B	None	---	---	>6.0	---	---	---	---
1290:									
Tweba-----------	B	Rare	---	---	3.5-5.0	Apparent	Feb-Jun	---	---
1350:									
Shabliss--------	D	None	---	---	>6.0	---	---	---	---
Hunnton---------	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Bioya----------	C	None	---	---	>6.0	---	---	---	---
1351:									
Shabliss--------	D	None	---	---	>6.0	---	---	---	---
Bartome---------	D	None	---	---	>6.0	---	---	---	---
1352:									
Shabliss--------	D	None	---	---	>6.0	---	---	---	---
Skull Creek-----	C	None	---	---	>6.0	---	---	---	---
Puett-----------	D	None	---	---	>6.0	---	---	---	---
1360:									
Orovada---------	B	Rare	---	---	>6.0	---	---	---	---
1362:									
Orovada---------	B	None	---	---	>6.0	---	---	---	---
Clurde----------	B	None	---	---	>6.0	---	---	---	---
Wieland---------	C	None	---	---	>6.0	---	---	---	---
1363:									
Orovada---------	B	Rare	---	---	>6.0	---	---	---	---
Tweba-----------	C	Rare	---	---	3.0-3.5	Apparent	Feb-Jun	---	---
Weso------------	B	None	---	---	>6.0	---	---	---	---
1530:									
Creemon---------	B	None	---	---	>6.0	---	---	---	---
Placeritos------	B	None	---	---	>6.0	---	---	---	---
1572:									
Weso------------	B	None	---	---	>6.0	---	---	---	---
Orovada---------	B	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
Shabliss	D	None	---	---	>6.0	---	---	---	---
1573:									
Weso	B	None	---	---	>6.0	---	---	---	---
Orovada	B	None	---	---	>6.0	---	---	---	---
Tweba	C	Rare	---	---	3.0-3.5	Apparent	Feb-Jun	---	---
1617:									
Cleavage	D	None	---	---	>6.0	---	---	---	---
Hapgood	B	None	---	---	>6.0	---	---	---	---
Tweener	D	None	---	---	>6.0	---	---	---	---
1618:									
Cleavage	D	None	---	---	>6.0	---	---	---	---
Sumine	C	None	---	---	>6.0	---	---	---	---
Pequop	B	None	---	---	>6.0	---	---	---	---
1619:									
Cleavage	D	None	---	---	>6.0	---	---	---	---
Tusk	B	None	---	---	>6.0	---	---	---	---
Sumine	C	None	---	---	>6.0	---	---	---	---
1621:									
Cleavage	D	None	---	---	>6.0	---	---	---	---
Graley	D	None	---	---	>6.0	---	---	---	---
Cleavage	D	None	---	---	>6.0	---	---	---	---
1622:									
Cleavage	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Sumine----------	C	None	---	---	>6.0	---	---	---	---
Hapgood---------	B	None	---	---	>6.0	---	---	---	---
1623:									
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
Hapgood---------	B	None	---	---	>6.0	---	---	---	---
Sumine----------	C	None	---	---	>6.0	---	---	---	---
1625:									
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
Ninemile--------	D	None	---	---	>6.0	---	---	---	---
Sumine----------	C	None	---	---	>6.0	---	---	---	---
1626:									
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
Carstump--------	C	None	---	---	>6.0	---	---	---	---
Chen------------	D	None	---	---	>6.0	---	---	---	---
1628:									
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
Chen------------	D	None	---	---	>6.0	---	---	---	---
Reluctan--------	C	None	---	---	>6.0	---	---	---	---
1640:									
Tusk------------	B	None	---	---	>6.0	---	---	---	---
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
Hackwood--------	B	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1650:									
Ninemile	D	None	---	---	>6.0	---	---	---	---
Tusk	B	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---
1651:									
Ninemile	D	None	---	---	>6.0	---	---	---	---
Reluctan	C	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---
1652:									
Ninemile	D	None	---	---	>6.0	---	---	---	---
Graley	D	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---
1653:									
Ninemile	D	None	---	---	>6.0	---	---	---	---
Reluctan	C	None	---	---	>6.0	---	---	---	---
Graley	D	None	---	---	>6.0	---	---	---	---
1655:									
Ninemile	D	None	---	---	>6.0	---	---	---	---
Thwoop	C	None	---	---	>6.0	---	---	---	---
Pequop	B	None	---	---	>6.0	---	---	---	---
1656:									
Ninemile	D	None	---	---	>6.0	---	---	---	---
Pequop	B	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Gumble----------	D	None	---	---	>6.0	---	---	---	---
1657:									
Ninemile--------	D	None	---	---	>6.0	---	---	---	---
Alyan----------	C	None	---	---	>6.0	---	---	---	---
1658:									
Ninemile--------	D	None	---	---	>6.0	---	---	---	---
Vanwyper--------	C	None	---	---	>6.0	---	---	---	---
Ninemile--------	D	None	---	---	>6.0	---	---	---	---
1659:									
Ninemile--------	D	None	---	---	>6.0	---	---	---	---
Carstump--------	C	None	---	---	>6.0	---	---	---	---
1660:									
Susie Creek-----	C	None	---	---	>6.0	---	---	---	---
Pie Creek-------	D	None	---	---	>6.0	---	---	---	---
Pattani---------	D	None	---	---	>6.0	---	---	---	---
1671:									
Linkup----------	D	None	---	---	>6.0	---	---	---	---
Carstump--------	C	None	---	---	>6.0	---	---	---	---
Linkup----------	D	None	---	---	>6.0	---	---	---	---
1672:									
Linkup----------	D	None	---	---	>6.0	---	---	---	---
Carstump--------	C	None	---	---	>6.0	---	---	---	---
Linkup----------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1673:									
Linkup	D	None	---	---	>6.0	---	---	---	---
Quarz	C	None	---	---	>6.0	---	---	---	---
Alyan	C	None	---	---	>6.0	---	---	---	---
1675:									
Linkup	D	None	---	---	>6.0	---	---	---	---
Snowmore	C	None	---	---	>6.0	---	---	---	---
Ratsow	C	None	---	---	>6.0	---	---	---	---
1676:									
Linkup	D	None	---	---	>6.0	---	---	---	---
Quarz	C	None	---	---	>6.0	---	---	---	---
1680:									
Carstump	C	None	---	---	>6.0	---	---	---	---
Reluctan	C	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---
1685:									
Carstump	C	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---
Graley	D	None	---	---	>6.0	---	---	---	---
1686:									
Carstump	C	None	---	---	>6.0	---	---	---	---
Reluctan	C	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1687:									
Carstump	C	None	---	---	>6.0	---	---	---	---
Linkup	D	None	---	---	>6.0	---	---	---	---
Carstump	C	None	---	---	>6.0	---	---	---	---
1691:									
Pequop	B	None	---	---	>6.0	---	---	---	---
Rock Outcrop		None	---	---	>6.0	---	---	---	---
Rubble Land	A	None	---	---	>6.0	---	---	---	---
1700:									
Cotant	D	None	---	---	>6.0	---	---	---	---
Quarz	C	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---
1702:									
Cotant	D	None	---	---	>6.0	---	---	---	---
McIvey	C	None	---	---	>6.0	---	---	---	---
Blitzen	C	None	---	---	>6.0	---	---	---	---
1703:									
Cotant	D	None	---	---	>6.0	---	---	---	---
Lerrow	C	None	---	---	>6.0	---	---	---	---
Bullump	B	None	---	---	>6.0	---	---	---	---
1711:									
Reluctan	C	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
Cleavage	D	None	---	---	>6.0	---	---	---	---
1712:									
Reluctan	C	None	---	---	>6.0	---	---	---	---
Sumine	C	None	---	---	>6.0	---	---	---	---
Cleavage	D	None	---	---	>6.0	---	---	---	---
1713:									
Reluctan	C	None	---	---	>6.0	---	---	---	---
Erakatak	C	None	---	---	>6.0	---	---	---	---
Rugar	C	None	---	---	>6.0	---	---	---	---
1720:									
Quarz	C	None	---	---	>6.0	---	---	---	---
Alyan	C	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---
1725:									
Quarz	C	None	---	---	>6.0	---	---	---	---
Cleavage	D	None	---	---	>6.0	---	---	---	---
Loncan	C	None	---	---	>6.0	---	---	---	---
1726:									
Quarz	C	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---
Pequop	B	None	---	---	>6.0	---	---	---	---
1730:									
Graley	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Erakatak	C	None	---	---	>6.0	---	---	---	---
Chen	D	None	---	---	>6.0	---	---	---	---
1732:									
Graley	D	None	---	---	>6.0	---	---	---	---
Quarz	C	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---
1733:									
Graley	D	None	---	---	>6.0	---	---	---	---
Loncan	C	None	---	---	>6.0	---	---	---	---
1740:									
Erakatak	C	None	---	---	>6.0	---	---	---	---
Cleavage	D	None	---	---	>6.0	---	---	---	---
Hackwood	B	None	---	---	>6.0	---	---	---	---
1741:									
Erakatak	C	None	---	---	>6.0	---	---	---	---
Chen	D	None	---	---	>6.0	---	---	---	---
Tusk	B	None	---	---	>6.0	---	---	---	---
1742:									
Erakatak	C	None	---	---	>6.0	---	---	---	---
Rugar	C	None	---	---	>6.0	---	---	---	---
Tusel	B	None	---	---	>6.0	---	---	---	---
1744:									
Erakatak	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
Graley----------	D	None	---	---	>6.0	---	---	---	---
Tusel----------	B	None	---	---	>6.0	---	---	---	---
1746:									
Booford---------	C	None	---	---	>6.0	---	---	---	---
Cotant----------	D	None	---	---	>6.0	---	---	---	---
Blitzen---------	C	None	---	---	>6.0	---	---	---	---
1800:									
Bregar----------	D	None	---	---	>6.0	---	---	---	---
Bregar----------	D	None	---	---	>6.0	---	---	---	---
Carstump--------	C	None	---	---	>6.0	---	---	---	---
1802:									
Bregar----------	D	None	---	---	>6.0	---	---	---	---
Ninemile--------	D	None	---	---	>6.0	---	---	---	---
Pequop----------	B	None	---	---	>6.0	---	---	---	---
1803:									
Bregar----------	D	None	---	---	>6.0	---	---	---	---
Sumine----------	C	None	---	---	>6.0	---	---	---	---
Rock Outcrop----		None	---	---	>6.0	---	---	---	---
1805:									
Bregar----------	D	None	---	---	>6.0	---	---	---	---
Deseed----------	C	None	---	---	>6.0	---	---	---	---
Linkup----------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
1810:									
Shively	B	None	---	---	>6.0	---	---	---	---
Ninemile	D	None	---	---	>6.0	---	---	---	---
Hackwood	B	None	---	---	>6.0	---	---	---	---
1830:									
Vanwyper	C	None	---	---	>6.0	---	---	---	---
Alyan	C	None	---	---	>6.0	---	---	---	---
Vanwyper	C	None	---	---	>6.0	---	---	---	---
1831:									
Vanwyper	C	None	---	---	>6.0	---	---	---	---
Trunk	D	None	---	---	>6.0	---	---	---	---
Vanwyper	C	None	---	---	>6.0	---	---	---	---
1832:									
Vanwyper	C	None	---	---	>6.0	---	---	---	---
Trunk	D	None	---	---	>6.0	---	---	---	---
Trunk	D	None	---	---	>6.0	---	---	---	---
1833:									
Vanwyper	C	None	---	---	>6.0	---	---	---	---
Rock Outcrop		None	---	---	>6.0	---	---	---	---
Trunk	D	None	---	---	>6.0	---	---	---	---
1852:									
Gumble	D	None	---	---	>6.0	---	---	---	---
Tuffo	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Hunnton---------	C	None	---	---	>6.0	---	---	---	---
1853:									
Gumble----------	D	None	---	---	>6.0	---	---	---	---
Tuffo-----------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop----		None	---	---	>6.0	---	---	---	---
1854:									
Gumble----------	D	None	---	---	>6.0	---	---	---	---
Chen------------	D	None	---	---	>6.0	---	---	---	---
1855:									
Gumble----------	D	None	---	---	>6.0	---	---	---	---
Puett Variant---	D	None	---	---	>6.0	---	---	---	---
Xeric Torriorthents--	D	None	---	---	>6.0	---	---	---	---
1870:									
Chen------------	D	None	---	---	>6.0	---	---	---	---
Graley----------	D	None	---	---	>6.0	---	---	---	---
Quarz-----------	C	None	---	---	>6.0	---	---	---	---
1871:									
Chen------------	D	None	---	---	>6.0	---	---	---	---
Cotant----------	D	None	---	---	>6.0	---	---	---	---
Graley----------	D	None	---	---	>6.0	---	---	---	---
1872:									
Chen------------	D	None	---	---	>6.0	---	---	---	---
Sumine----------	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Tusel	B	None	---	---	>6.0	---	---	---	---
1874:									
Chen	D	None	---	---	>6.0	---	---	---	---
Quarz	C	None	---	---	>6.0	---	---	---	---
Arcia	C	None	---	---	>6.0	---	---	---	---
1875:									
Chen	D	None	---	---	>6.0	---	---	---	---
Bregar	D	None	---	---	>6.0	---	---	---	---
Ramires	C	None	---	---	>6.0	---	---	---	---
1876:									
Chen	D	None	---	---	>6.0	---	---	---	---
Chen	D	None	---	---	>6.0	---	---	---	---
Arcia	C	None	---	---	>6.0	---	---	---	---
1877:									
Chen	D	None	---	---	>6.0	---	---	---	---
Bregar	D	None	---	---	>6.0	---	---	---	---
Loncan	C	None	---	---	>6.0	---	---	---	---
1880:									
Chen	D	None	---	---	>6.0	---	---	---	---
Blitzen	C	None	---	---	>6.0	---	---	---	---
Pequop	B	None	---	---	>6.0	---	---	---	---
1881:									
Chen	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
Blitzen	C	None	---	---	>6.0	---	---	---	---
Loncan	C	None	---	---	>6.0	---	---	---	---
1888:									
Chen	D	None	---	---	>6.0	---	---	---	---
Pie Creek	D	None	---	---	>6.0	---	---	---	---
Alyan	C	None	---	---	>6.0	---	---	---	---
1889:									
Chen	D	None	---	---	>6.0	---	---	---	---
Sumine	C	None	---	---	>6.0	---	---	---	---
1910:									
Mahala	D	None	---	---	>6.0	---	---	---	---
Ramires	C	None	---	---	>6.0	---	---	---	---
1920:									
Lerrow	C	None	---	---	>6.0	---	---	---	---
Chen	D	None	---	---	>6.0	---	---	---	---
Cotant	D	None	---	---	>6.0	---	---	---	---
1921:									
Lerrow	C	None	---	---	>6.0	---	---	---	---
Quarz	C	None	---	---	>6.0	---	---	---	---
Rugar	C	None	---	---	>6.0	---	---	---	---
1931:									
Tweener	D	None	---	---	>6.0	---	---	---	---
Cleavage	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
Reluctan--------	C	None	---	---	>6.0	---	---	---	---
1932:									
Tweener---------	D	None	---	---	>6.0	---	---	---	---
Sumine----------	C	None	---	---	>6.0	---	---	---	---
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
1933:									
Tweener---------	D	None	---	---	>6.0	---	---	---	---
Pequop----------	B	None	---	---	>6.0	---	---	---	---
Cleavage--------	D	None	---	---	>6.0	---	---	---	---
1950:									
McIvey----------	C	None	---	---	>6.0	---	---	---	---
McIvey----------	C	None	---	---	>6.0	---	---	---	---
Tusel-----------	B	None	---	---	>6.0	---	---	---	---
1980:									
Thwoop----------	C	None	---	---	>6.0	---	---	---	---
Trunk-----------	D	None	---	---	>6.0	---	---	---	---
Pequop----------	B	None	---	---	>6.0	---	---	---	---
2000:									
Alyan-----------	C	None	---	---	>6.0	---	---	---	---
Cotant----------	D	None	---	---	>6.0	---	---	---	---
Akler-----------	D	None	---	---	>6.0	---	---	---	---
2001:									
Alyan-----------	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Bregar----------	D	None	---	---	>6.0	---	---	---	---
Alyan----------	C	None	---	---	>6.0	---	---	---	---
2002:									
Alyan----------	C	None	---	---	>6.0	---	---	---	---
Alyan----------	C	None	---	---	>6.0	---	---	---	---
Quarz----------	C	None	---	---	>6.0	---	---	---	---
2003:									
Alyan----------	C	None	---	---	>6.0	---	---	---	---
Deepeek---------	D	None	---	---	>6.0	---	---	---	---
Susie Creek-----	C	None	---	---	>6.0	---	---	---	---
2004:									
Alyan----------	C	None	---	---	>6.0	---	---	---	---
Ninemile--------	D	None	---	---	>6.0	---	---	---	---
Alyan----------	C	None	---	---	>6.0	---	---	---	---
2005:									
Alyan----------	C	None	---	---	>6.0	---	---	---	---
Graley----------	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop----		None	---	---	>6.0	---	---	---	---
2171:									
Deseed----------	C	None	---	---	>6.0	---	---	---	---
Reluctan--------	C	None	---	---	>6.0	---	---	---	---
Cleavage--------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
2173:									
Deseed	C	None	---	---	>6.0	---	---	---	---
Quarz	C	None	---	---	>6.0	---	---	---	---
2205:									
Coltroop	D	None	---	---	>6.0	---	---	---	---
Snowmore	C	None	---	---	>6.0	---	---	---	---
2206:									
Coltroop	D	None	---	---	>6.0	---	---	---	---
Vanwyper	C	None	---	---	>6.0	---	---	---	---
2310:									
Bulake	D	None	---	---	>6.0	---	---	---	---
Deunah	D	None	---	---	>6.0	---	---	---	---
Bulake	D	None	---	---	>6.0	---	---	---	---
2311:									
Bulake	D	None	---	---	>6.0	---	---	---	---
Hatpeak	C	None	---	---	>6.0	---	---	---	---
Petan	D	None	---	---	>6.0	---	---	---	---
2505:									
Buffaran	D	None	---	---	>6.0	---	---	---	---
Zevadez	C	None	---	---	>6.0	---	---	---	---
2511:									
Bilbo	C	None	---	---	>6.0	---	---	---	---
Alley	B	None	---	---	>6.0	---	---	---	---
Deepeek	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
2514:									
Bilbo	C	None	---	---	>6.0	---	---	---	---
Susie Creek	C	None	---	---	>6.0	---	---	---	---
Buffaran	D	None	---	---	>6.0	---	---	---	---
2521:									
Dewar	D	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---
2522:									
Dewar	D	None	---	---	>6.0	---	---	---	---
Sodhouse	D	None	---	---	>6.0	---	---	---	---
2531:									
Clurde Variant	C	Occasional	Brief	APR-JUN	>6.0	---	---	---	---
Clurde	B	None	---	---	>6.0	---	---	---	---
Rock Outcrop		None	---	---	>6.0	---	---	---	---
2541:									
Kelk	C	Occasional	Long	Feb-Jun	>6.0	---	---	---	---
2545:									
Kelk	C	None	---	---	>6.0	---	---	---	---
Clurde	B	None	---	---	>6.0	---	---	---	---
2555:									
Piline	D	None	---	---	-1.0-2.0	Perched	Jan-Jul	Long	1.0
2560:									
McCleary	D	Occasional	Long	Mar-Jun	0.5-1.5	Perched	Feb-May	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
2561:									
McCleary	D	Rare	---	---	>6.0	---	---	---	---
2571:									
Chiara	D	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---
2572:									
Chiara	D	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---
2573:									
Chiara	D	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---
2575:									
Chiara	D	None	---	---	>6.0	---	---	---	---
Dacker	C	None	---	---	>6.0	---	---	---	---
Shalake	C	None	---	---	>6.0	---	---	---	---
2577:									
Chiara	D	None	---	---	>6.0	---	---	---	---
Orovada	B	None	---	---	>6.0	---	---	---	---
2600:									
Shalake	C	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---
Shalake	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
2611:									
Dacker	C	None	---	---	>6.0	---	---	---	---
Hunnton	C	None	---	---	>6.0	---	---	---	---
2612:									
Dacker	C	None	---	---	>6.0	---	---	---	---
Zevadez	C	None	---	---	>6.0	---	---	---	---
2615:									
Dacker	C	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---
2621:									
Gochea	B	None	---	---	>6.0	---	---	---	---
Susie Creek	C	None	---	---	>6.0	---	---	---	---
Carstump	C	None	---	---	>6.0	---	---	---	---
2641:									
Olac	D	None	---	---	>6.0	---	---	---	---
Snowmore	C	None	---	---	>6.0	---	---	---	---
2650:									
Wieland	C	None	---	---	>6.0	---	---	---	---
Bartome	D	None	---	---	>6.0	---	---	---	---
Zevadez	C	None	---	---	>6.0	---	---	---	---
2651:									
Wieland	C	None	---	---	>6.0	---	---	---	---
Buffaran	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
2652:									
Wieland	C	None	---	---	>6.0	---	---	---	---
Dacker	C	None	---	---	>6.0	---	---	---	---
Zevadez	C	None	---	---	>6.0	---	---	---	---
2655:									
Wieland	C	None	---	---	>6.0	---	---	---	---
Gumble	D	None	---	---	>6.0	---	---	---	---
Bilbo	C	None	---	---	>6.0	---	---	---	---
2656:									
Wieland	C	None	---	---	>6.0	---	---	---	---
Hunnton	C	None	---	---	>6.0	---	---	---	---
Thwoop	C	None	---	---	>6.0	---	---	---	---
2658:									
Wieland	C	None	---	---	>6.0	---	---	---	---
2666:									
Puett	D	None	---	---	>6.0	---	---	---	---
Orovada	B	None	---	---	>6.0	---	---	---	---
2667:									
Puett	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop		None	---	---	>6.0	---	---	---	---
Clurde	B	None	---	---	>6.0	---	---	---	---
2668:									
Puett	D	None	---	---	>6.0	---	---	---	---
Yuko	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Zevadez	C	None	---	---	>6.0	---	---	---	---
2710:									
Ramires	C	None	---	---	>6.0	---	---	---	---
Bartome	D	None	---	---	>6.0	---	---	---	---
Bilbo	C	None	---	---	>6.0	---	---	---	---
2711:									
Ramires	C	None	---	---	>6.0	---	---	---	---
Bilbo	C	None	---	---	>6.0	---	---	---	---
Buffaran	D	None	---	---	>6.0	---	---	---	---
2741:									
Wilsor	B	None	---	---	>6.0	---	---	---	---
Wilsor	B	None	---	---	>6.0	---	---	---	---
2751:									
Yuko	D	None	---	---	>6.0	---	---	---	---
Chime	C	None	---	---	>6.0	---	---	---	---
Clurde	B	None	---	---	>6.0	---	---	---	---
2775:									
Zevadez	C	None	---	---	>6.0	---	---	---	---
Bartome	D	None	---	---	>6.0	---	---	---	---
Wieland	C	None	---	---	>6.0	---	---	---	---
2776:									
Zevadez	C	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
2777:									
Zevadez	C	None	---	---	>6.0	---	---	---	---
Wieland	C	None	---	---	>6.0	---	---	---	---
Clurde	B	None	---	---	>6.0	---	---	---	---
2778:									
Zevadez	C	None	---	---	>6.0	---	---	---	---
Yuko	D	None	---	---	>6.0	---	---	---	---
Kelk	C	None	---	---	>6.0	---	---	---	---
2780:									
Snowmore	C	None	---	---	>6.0	---	---	---	---
Snowmore	C	None	---	---	>6.0	---	---	---	---
2781:									
Snowmore	C	None	---	---	>6.0	---	---	---	---
Snowmore	C	None	---	---	>6.0	---	---	---	---
Snowmore	C	None	---	---	>6.0	---	---	---	---
2782:									
Snowmore	C	None	---	---	>6.0	---	---	---	---
Zevadez	C	None	---	---	>6.0	---	---	---	---
Snowmore	C	None	---	---	>6.0	---	---	---	---
2783:									
Snowmore	C	None	---	---	>6.0	---	---	---	---
Willhill	C	None	---	---	>6.0	---	---	---	---
2790:									
Old Camp	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				Maximum ponding depth
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	
					Ft				Ft
Troughs	D	None	---	---	>6.0	---	---	---	---
Olac	D	None	---	---	>6.0	---	---	---	---
2801:									
Bartome	D	None	---	---	>6.0	---	---	---	---
Alley	B	None	---	---	>6.0	---	---	---	---
Clurde	B	None	---	---	>6.0	---	---	---	---
2802:									
Bartome	D	None	---	---	>6.0	---	---	---	---
Buffaran	D	None	---	---	>6.0	---	---	---	---
2803:									
Bartome	D	None	---	---	>6.0	---	---	---	---
Buffaran	D	None	---	---	>6.0	---	---	---	---
Ramires	C	None	---	---	>6.0	---	---	---	---
2804:									
Bartome	D	None	---	---	>6.0	---	---	---	---
Chiara	D	None	---	---	>6.0	---	---	---	---
2805:									
Bartome	D	None	---	---	>6.0	---	---	---	---
2807:									
Bartome	D	None	---	---	>6.0	---	---	---	---
Coltroop	D	None	---	---	>6.0	---	---	---	---
Zevadez	C	None	---	---	>6.0	---	---	---	---
2808:									
Bartome	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Susie Creek-----	C	None	---	---	>6.0	---	---	---	---
Wieland---------	C	None	---	---	>6.0	---	---	---	---
2809:									
Bartome---------	D	None	---	---	>6.0	---	---	---	---
Dacker----------	C	None	---	---	>6.0	---	---	---	---
2820:									
Alley-----------	B	None	---	---	>6.0	---	---	---	---
Vanwyper--------	C	None	---	---	>6.0	---	---	---	---
Rock Outcrop----		None	---	---	>6.0	---	---	---	---
2822:									
Alley-----------	B	None	---	---	>6.0	---	---	---	---
Rock Outcrop----		None	---	---	>6.0	---	---	---	---
Rubble Land-----		None	---	---	>6.0	---	---	---	---
3000:									
Handy-----------	C	None	---	---	>6.0	---	---	---	---
Wilsor----------	B	None	---	---	>6.0	---	---	---	---
Deseed----------	C	None	---	---	>6.0	---	---	---	---
3010:									
Relley----------	B	Frequent	---	Dec-Jun	>6.0	---	---	---	---
Kelk------------	C	None	---	---	>6.0	---	---	---	---
3020:									
Sodhouse--------	D	None	---	---	>6.0	---	---	---	---
Chiara----------	D	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
3030:									
Deepeek	D	None	---	---	>6.0	---	---	---	---
Alley	B	None	---	---	>6.0	---	---	---	---
3100:									
Ratsow	C	None	---	---	>6.0	---	---	---	---
Quarz	C	None	---	---	>6.0	---	---	---	---
Susie Creek	C	None	---	---	>6.0	---	---	---	---
3510:									
Midraw	D	None	---	---	>6.0	---	---	---	---
Troughs	D	None	---	---	>6.0	---	---	---	---
Midraw	D	None	---	---	>6.0	---	---	---	---
3710:									
Petan	D	None	---	---	>6.0	---	---	---	---
Bulake	D	None	---	---	>6.0	---	---	---	---
Rock Outcrop		None	---	---	>6.0	---	---	---	---
3715:									
Petan	D	None	---	---	>6.0	---	---	---	---
Deunah	D	None	---	---	>6.0	---	---	---	---
Hatpeak	C	None	---	---	>6.0	---	---	---	---
3721:									
Hatpeak	C	None	---	---	>6.0	---	---	---	---
Deunah	D	None	---	---	>6.0	---	---	---	---
3722:									
Hatpeak	C	None	---	---	>6.0	---	---	---	---

TABLE 18.--WATER FEATURES--Continued

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
Hatpeak---------	C	None	---	---	>6.0	---	---	---	---

TABLE 19.--SOIL FEATURES

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1:									
Rubble Land-----	>40	Hard	---	---	---	---	None		
120:									
Cotant----------	12-20	Soft	---	---	---	---	Low	Moderate	Low
Lerrow----------	20-40	Soft	---	---	---	---	Low	Moderate	Low
Cotant----------	12-20	Soft	---	---	---	---	Low	Moderate	Low
126:									
Cotant----------	12-20	Soft	---	---	---	---	Low	Moderate	Low
Lerrow----------	20-40	Soft	---	---	---	---	Low	Moderate	Low
Akler-----------	14-20	Soft	---	---	---	---	Low	Moderate	Low
127:									
Cotant----------	12-20	Soft	---	---	---	---	Low	Moderate	Low
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
Lerrow----------	20-40	Soft	---	---	---	---	Low	Moderate	Low
128:									
Cotant----------	12-20	Soft	---	---	---	---	Low	Moderate	Low
Graley----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
129:									
Cotant----------	12-20	Soft	---	---	---	---	Low	Moderate	Low
Chen------------	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Crooked Creek---	>60	---	---	---	---	---	High	High	Low
130:									
Cotant----------	12-20	Soft	---	---	---	---	Low	Moderate	Low
Booford---------	20-40	Soft	---	---	---	---	Moderate	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
140:									
Upville---------	>60	---	---	---	---	---	Moderate	Moderate	Low
Upville---------	>60	---	---	---	---	---	Moderate	Moderate	Low
141:									
Upville---------	>60	---	---	---	---	---	Moderate	Moderate	Low
Kleckner--------	>60	---	---	---	---	---	Low	Moderate	Low
150:									
Gochea----------	>60	---	---	---	---	---	Moderate	Moderate	Low
161:									
Sonoma----------	>60	---	---	---	---	---	High	High	Low
162:									
Sonoma----------	>60	---	---	---	---	---	High	High	Low
184:									
Crooked Creek---	>60	---	---	---	---	---	High	High	Low
185:									
Crooked Creek---	>60	---	---	---	---	---	High	High	Low
Crooked Creek---	>60	---	---	---	---	---	High	High	Low
186:									
Crooked Creek---	>60	---	---	---	---	---	High	High	Low
Crooked Creek---	>60	---	---	---	---	---	High	High	Low
Crooked Creek---	>60	---	---	---	---	---	High	High	Low
188:									
Crooked Creek---	>60	---	---	---	---	---	High	High	Low
Welch-----------	>60	---	---	---	---	---	High	Moderate	Low
Crooked Creek---	>60	---	---	---	---	---	High	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
190:									
Heechee	>60	---	---	---	---	---	Moderate	Moderate	Low
Heechee	>60	---	---	---	---	---	Moderate	Moderate	Low
200:									
Lynnbow	45-60	Soft	---	---	---	---	Low	High	Low
Rugar	40-60	Soft	---	---	---	---	Moderate	Moderate	Low
201:									
Lynnbow	45-60	Soft	---	---	---	---	Low	High	Low
Lerrow	20-40	Soft	---	---	---	---	Low	Moderate	Low
Crooked Creek	>60	---	---	---	---	---	High	High	Low
210:									
Soonaker	20-40	Soft	---	---	---	---	Moderate	Moderate	Low
Bulake	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
220:									
Cavanaugh	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Rugar	40-60	Soft	---	---	---	---	Moderate	Moderate	Low
McIvey	>60	---	---	---	---	---	Moderate	Moderate	Low
221:									
Cavanaugh	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Quarz	20-40	Hard	---	---	---	---	Low	Moderate	Low
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
233:									
Bioya	>60	---	20-40	Thick	---	---	Moderate	High	Low
Bilbo	>60	---	---	---	---	---	Low	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Chiara----------	>60	---	10-20	Thick	---	---	Moderate	High	Low
234:									
Bioya----------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Shabliss--------	>60	---	10-15	Thin	---	---	Moderate	High	Low
Puett----------	10-20	Soft	---	---	---	---	Moderate	High	Low
235:									
Bioya----------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Trunk----------	20-40	Hard	---	---	---	---	Low	High	Low
Alley----------	>60	---	---	---	---	---	Moderate	High	Low
236:									
Bioya----------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low
Kleckner--------	>60	---	---	---	---	---	Low	Moderate	Low
241:									
Wickahoney------	10-20	Hard	---	---	---	---	Moderate	Moderate	Low
Deunah----------	22-40	Hard	20-34	Thick	---	---	Moderate	Moderate	Moderate
Petan----------	15-23	Hard	14-20	Thin	---	---	Moderate	Moderate	Low
270:									
Pernty----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Loncan----------	21-38	Hard	---	---	---	---	Moderate	Moderate	Low
Pernty----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
280:									
Humboldt--------	>60	---	---	---	---	---	High	High	High

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
308:									
Akler	14-20	Soft	---	---	---	---	Low	Moderate	Low
Pattani	20-40	Soft	---	---	---	---	Low	High	Low
Cotant	12-20	Soft	---	---	---	---	Low	Moderate	Low
309:									
Akler	14-20	Soft	---	---	---	---	Low	Moderate	Low
Susie Creek	>60	---	---	---	---	---	Low	High	Low
457:									
Donna	>60	---	20-36	Thick	---	---	Moderate	High	Low
Stampede	>60	---	20-37	Thick	---	---	Moderate	Moderate	Low
Short Creek	>60	---	---	---	---	---	Moderate	High	Low
458:									
Donna	>60	---	20-36	Thick	---	---	Moderate	High	Low
Stampede	>60	---	20-37	Thick	---	---	Moderate	Moderate	Low
464:									
Stampede	>60	---	20-37	Thick	---	---	Moderate	Moderate	Low
570:									
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Hapgood	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
571:									
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Tusel	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Gando	10-20	Hard	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
572:									
Sumine----------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Reluctan--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage--------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
576:									
Sumine----------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Hapgood---------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage--------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
577:									
Sumine----------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Hapgood---------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Chen------------	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
578:									
Sumine----------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Tusel-----------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Hapgood---------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
579:									
Sumine----------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Pernty----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Tusel-----------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
580:									
Sumine----------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Pie Creek-------	23-40	Hard	---	---	---	---	Moderate	High	Low
Reluctan--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
581:									
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Hapgood	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
582:									
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Tusel	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
583:									
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Hapgood	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Pernty	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
584:									
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Tusel	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Hapgood	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
585:									
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									
Rubble Land	>40	Hard	---	---	---	---	None		
586:									
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Loncan	21-38	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
600:									
Hapgood	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Bullump	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Gando	10-20	Hard	---	---	---	---	Moderate	High	Low
601:									
Hapgood	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Blitzen	20-40	Soft	---	---	---	---	Low	Moderate	Low
Tusel	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
602:									
Hapgood	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Hackwood	>60	---	---	---	---	---	Moderate	Moderate	Low
Tusel	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
623:									
Soughe	10-20	Hard	---	---	---	---	Moderate	High	Low
Rock Outcrop.									
624:									
Soughe	10-20	Hard	---	---	---	---	Moderate	High	Low
Soughe	10-20	Hard	---	---	---	---	Moderate	High	Low
Rock Outcrop.									
625:									
Soughe	10-20	Hard	---	---	---	---	Moderate	High	Low
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
Shalper	4-12	Hard	---	---	---	---	Moderate	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
626:									
Soughe----------	10-20	Hard	---	---	---	---	Moderate	High	Low
Vanwyper--------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Soughe----------	10-20	Hard	---	---	---	---	Moderate	High	Low
690:									
Welch-----------	>60	---	---	---	---	---	High	Moderate	Low
Welch-----------	>60	---	---	---	---	---	High	Moderate	Low
920:									
Bullump---------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Gando-----------	10-20	Hard	---	---	---	---	Moderate	High	Low
Tusel-----------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
921:									
Bullump---------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Hackwood--------	>60	---	---	---	---	---	Moderate	Moderate	Low
Cleavage--------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
922:									
Bullump---------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage--------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Hapgood---------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
1130:									
Clementine------	>60	---	---	---	---	---	High	High	Low
1131:									
Clementine------	>60	---	---	---	---	---	High	High	Low
Clementine------	>60	---	---	---	---	---	High	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Clementine------	>60	---	---	---	---	---	High	High	Low
1135:									
Clementine------	>60	---	---	---	---	---	High	High	Low
Clurde----------	>60	---	---	---	---	---	Moderate	High	Low
1150:									
Clurde----------	>60	---	---	---	---	---	Moderate	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low
1155:									
Clurde----------	>60	---	---	---	---	---	Moderate	High	Low
1156:									
Clurde----------	>60	---	---	---	---	---	Moderate	High	Low
Kortty----------	>60	---	50-60	Thin	---	---	Low	High	Low
1157:									
Clurde----------	>60	---	---	---	---	---	Moderate	High	Low
Zevadez---------	>60	---	---	---	---	---	Moderate	High	Low
Chiara----------	>60	---	10-20	Thick	---	---	Moderate	High	Low
1190:									
Cherry Spring---	>60	---	20-40	Thick	---	---	Moderate	High	Low
Enko------------	>60	---	---	---	---	---	Moderate	High	Low
1191:									
Cherry Spring---	>60	---	20-40	Thick	---	---	Moderate	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low
1193:									
Cherry Spring---	>60	---	20-40	Thick	---	---	Moderate	High	Low
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Chiara----------	>60	---	10-20	Thick	---	---	Moderate	High	Low
1210:									
Skull Creek-----	>60	---	20-40	Thick	---	---	Moderate	High	Low
Shabliss--------	>60	---	10-15	Thin	---	---	Moderate	High	Low
Puett-----------	10-20	Soft	---	---	---	---	Moderate	High	Low
1220:									
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Fulstone--------	>60	---	14-20	Thick	---	---	Moderate	High	Low
1221:									
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Fulstone--------	>60	---	14-20	Thick	---	---	Moderate	High	Low
1223:									
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Shabliss--------	>60	---	10-15	Thin	---	---	Moderate	High	Low
Puett-----------	10-20	Soft	---	---	---	---	Moderate	High	Low
1224:									
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Trunk-----------	20-40	Hard	---	---	---	---	Low	High	Low
Shabliss--------	>60	---	10-15	Thin	---	---	Moderate	High	Low
1226:									
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Clementine------	>60	---	---	---	---	---	High	High	Low
1227:									
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Chiara----------	>60	---	10-20	Thick	---	---	Moderate	High	Low
Bilbo-----------	>60	---	---	---	---	---	Low	High	Low
1228:									
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
1229:									
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
Chiara----------	>60	---	10-20	Thick	---	---	Moderate	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low
1230:									
Fulstone--------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
1231:									
Fulstone--------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Fulstone--------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
1232:									
Fulstone--------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Fulstone--------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1241:									
Enko	>60	---	---	---	---	---	Moderate	High	Low
Shabliss	>60	---	10-15	Thin	---	---	Moderate	High	Low
Orovada	>60	---	---	---	---	---	Moderate	High	Moderate
1242:									
Enko	>60	---	---	---	---	---	Moderate	High	Low
Enko	>60	---	---	---	---	---	Moderate	High	Low
1260:									
Kleckner	>60	---	---	---	---	---	Low	Moderate	Low
Upville	>60	---	---	---	---	---	Moderate	Moderate	Low
Fulstone	>60	---	14-20	Thick	---	---	Moderate	High	Low
1261:									
Kleckner	>60	---	---	---	---	---	Low	Moderate	Low
Heechee	>60	---	---	---	---	---	Moderate	Moderate	Low
1290:									
Tweba	>60	---	---	---	---	---	Moderate	High	Low
1350:									
Shabliss	>60	---	10-15	Thin	---	---	Moderate	High	Low
Hunnton	>60	---	20-40	Thick	---	---	Moderate	High	Low
Bioya	>60	---	20-40	Thick	---	---	Moderate	High	Low
1351:									
Shabliss	>60	---	10-15	Thin	---	---	Moderate	High	Low
Bartome	>60	---	14-20	Thick	---	---	Moderate	High	Low
1352:									
Shabliss	>60	---	10-15	Thin	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Skull Creek-----	>60	---	20-40	Thick	---	---	Moderate	High	Low
Puett-----------	10-20	Soft	---	---	---	---	Moderate	High	Low
1360:									
Orovada---------	>60	---	---	---	---	---	Moderate	High	Low
1362:									
Orovada---------	>60	---	---	---	---	---	Moderate	High	Moderate
Clurde----------	>60	---	---	---	---	---	Moderate	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low
1363:									
Orovada---------	>60	---	---	---	---	---	Moderate	High	Low
Tweba-----------	>60	---	---	---	---	---	Moderate	High	Low
Weso------------	>60	---	---	---	---	---	Low	High	Low
1530:									
Creemon---------	>60	---	---	---	---	---	Low	High	High
Placeritos------	>60	---	---	---	---	---	Moderate	High	Low
1572:									
Weso------------	>60	---	---	---	---	---	Low	High	Low
Orovada---------	>60	---	---	---	---	---	Moderate	High	Moderate
Shabliss--------	>60	---	10-15	Thin	---	---	Moderate	High	Low
1573:									
Weso------------	>60	---	---	---	---	---	Low	High	Low
Orovada---------	>60	---	---	---	---	---	Moderate	High	Moderate
Tweba-----------	>60	---	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1617:									
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Hapgood	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Tweener	7-14	Hard	---	---	---	---	Moderate	Moderate	Low
1618:									
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Pequop	>60	---	---	---	---	---	Moderate	Moderate	Low
1619:									
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Tusk	>60	---	---	---	---	---	Moderate	Moderate	Low
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
1621:									
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Graley	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
1622:									
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Hapgood	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
1623:									
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Hapgood	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1625:									
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Ninemile	10-20	Hard	---	---	---	---	Low	Moderate	Low
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
1626:									
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Carstump	20-40	Hard	---	---	---	---	Moderate	High	Low
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
1628:									
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Reluctan	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
1640:									
Tusk	>60	---	---	---	---	---	Moderate	Moderate	Low
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Hackwood	>60	---	---	---	---	---	Moderate	Moderate	Low
1650:									
Ninemile	10-20	Hard	---	---	---	---	Low	Moderate	Low
Tusk	>60	---	---	---	---	---	Moderate	Moderate	Low
Ninemile	10-20	Hard	---	---	---	---	Low	Moderate	Low
1651:									
Ninemile	10-20	Hard	---	---	---	---	Low	Moderate	Low
Reluctan	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Ninemile	10-20	Hard	---	---	---	---	Low	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1652:									
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
Graley----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
1653:									
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
Reluctan--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Graley----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
1655:									
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
Thwoop----------	21-32	Hard	20-30	Thin	---	---	Moderate	Moderate	Low
Pequop----------	>60	---	---	---	---	---	Moderate	Moderate	Low
1656:									
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
Pequop----------	>60	---	---	---	---	---	Moderate	Moderate	Low
Gumble----------	14-20	Soft	---	---	---	---	Moderate	High	Low
1657:									
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
Alyan-----------	20-40	Hard	---	---	---	---	Low	Moderate	Low
1658:									
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
Vanwyper--------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1659:									
Ninemile	10-20	Hard	---	---	---	---	Low	Moderate	Low
Carstump	20-40	Hard	---	---	---	---	Moderate	High	Low
1660:									
Susie Creek	>60	---	---	---	---	---	Low	High	Low
Pie Creek	23-40	Hard	---	---	---	---	Moderate	High	Low
Pattani	20-40	Soft	---	---	---	---	Low	High	Low
1671:									
Linkup	14-20	Hard	---	---	---	---	Low	Moderate	Low
Carstump	20-40	Hard	---	---	---	---	Moderate	High	Low
Linkup	14-20	Hard	---	---	---	---	Low	Moderate	Low
1672:									
Linkup	14-20	Hard	---	---	---	---	Low	Moderate	Low
Carstump	20-40	Hard	---	---	---	---	Moderate	High	Low
Linkup	14-20	Hard	---	---	---	---	Low	Moderate	Low
1673:									
Linkup	14-20	Hard	---	---	---	---	Low	Moderate	Low
Quarz	20-40	Hard	---	---	---	---	Low	Moderate	Low
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
1675:									
Linkup	14-20	Hard	---	---	---	---	Low	Moderate	Low
Snowmore	21-40	Hard	20-34	Thick	---	---	Moderate	High	Low
Ratsow	21-34	Hard	20-30	Thin	---	---	Low	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1676:									
Linkup----------	14-20	Hard	---	---	---	---	Low	Moderate	Low
Quarz-----------	20-40	Hard	---	---	---	---	Low	Moderate	Low
1680:									
Carstump--------	20-40	Hard	---	---	---	---	Moderate	High	Low
Reluctan--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
1685:									
Carstump--------	20-40	Hard	---	---	---	---	Moderate	High	Low
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
Graley----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
1686:									
Carstump--------	20-40	Hard	---	---	---	---	Moderate	High	Low
Reluctan--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
1687:									
Carstump--------	20-40	Hard	---	---	---	---	Moderate	High	Low
Linkup----------	14-20	Hard	---	---	---	---	Low	Moderate	Low
Carstump--------	20-40	Hard	---	---	---	---	Moderate	High	Low
1691:									
Pequop----------	>60	---	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									
Rubble Land-----	>40	Hard	---	---	---	---	None		

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1700:									
Cotant----------	12-20	Soft	---	---	---	---	Low	Moderate	Low
Quarz----------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
1702:									
Cotant----------	12-20	Soft	---	---	---	---	Low	Moderate	Low
McIvey----------	>60	---	---	---	---	---	Moderate	Moderate	Low
Blitzen---------	20-40	Soft	---	---	---	---	Low	Moderate	Low
1703:									
Cotant----------	12-20	Soft	---	---	---	---	Low	Moderate	Low
Lerrow----------	20-40	Soft	---	---	---	---	Low	Moderate	Low
Bullump---------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
1711:									
Reluctan--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
Cleavage--------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
1712:									
Reluctan--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Sumine----------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage--------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
1713:									
Reluctan--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Erakatak--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Rugar-----------	40-60	Soft	---	---	---	---	Moderate	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1720:									
Quarz----------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Alyan----------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
1725:									
Quarz----------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Cleavage--------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Loncan----------	21-38	Hard	---	---	---	---	Moderate	Moderate	Low
1726:									
Quarz----------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
Pequop----------	>60	---	---	---	---	---	Moderate	Moderate	Low
1730:									
Graley----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Erakatak--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Chen------------	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
1732:									
Graley----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Quarz----------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Ninemile--------	10-20	Hard	---	---	---	---	Low	Moderate	Low
1733:									
Graley----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Loncan----------	21-38	Hard	---	---	---	---	Moderate	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1740:									
Erakatak	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Hackwood	>60	---	---	---	---	---	Moderate	Moderate	Low
1741:									
Erakatak	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Tusk	>60	---	---	---	---	---	Moderate	Moderate	Low
1742:									
Erakatak	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Rugar	40-60	Soft	---	---	---	---	Moderate	Moderate	Low
Tusel	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
1744:									
Erakatak	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Graley	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Tusel	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
1746:									
Booford	20-40	Soft	---	---	---	---	Moderate	Moderate	Low
Cotant	12-20	Soft	---	---	---	---	Low	Moderate	Low
Blitzen	20-40	Soft	---	---	---	---	Low	Moderate	Low
1800:									
Bregar	5-12	Hard	---	---	---	---	Moderate	Moderate	Low
Bregar	5-12	Hard	---	---	---	---	Moderate	Moderate	Low
Carstump	20-40	Hard	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1802:									
Bregar	5-12	Hard	---	---	---	---	Moderate	Moderate	Low
Ninemile	10-20	Hard	---	---	---	---	Low	Moderate	Low
Pequop	>60	---	---	---	---	---	Moderate	Moderate	Low
1803:									
Bregar	5-12	Hard	---	---	---	---	Moderate	Moderate	Low
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									
1805:									
Bregar	5-12	Hard	---	---	---	---	Moderate	Moderate	Low
Deseed	20-30	Hard	---	---	---	---	Low	Moderate	Low
Linkup	14-20	Hard	---	---	---	---	Low	Moderate	Low
1810:									
Shively	40-60	Soft	---	---	---	---	Moderate	Moderate	Low
Ninemile	10-20	Hard	---	---	---	---	Low	Moderate	Low
Hackwood	>60	---	---	---	---	---	Moderate	Moderate	Low
1830:									
Vanwyper	20-40	Hard	---	---	---	---	Low	Moderate	Low
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
Vanwyper	20-40	Hard	---	---	---	---	Low	Moderate	Low
1831:									
Vanwyper	20-40	Hard	---	---	---	---	Low	Moderate	Low
Trunk	20-40	Hard	---	---	---	---	Low	High	Low
Vanwyper	20-40	Hard	---	---	---	---	Low	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1832:									
Vanwyper--------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Trunk----------	20-40	Hard	---	---	---	---	Low	High	Low
Trunk----------	20-40	Hard	---	---	---	---	Low	High	Low
1833:									
Vanwyper--------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Rock Outcrop.									
Trunk----------	20-40	Hard	---	---	---	---	Low	High	Low
1852:									
Gumble----------	14-20	Soft	---	---	---	---	Moderate	High	Low
Tuffo----------	4-14	Soft	---	---	---	---	Moderate	Moderate	Low
Hunnton---------	>60	---	20-40	Thick	---	---	Moderate	High	Low
1853:									
Gumble----------	14-20	Soft	---	---	---	---	Moderate	High	Low
Tuffo----------	4-14	Soft	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									
1854:									
Gumble----------	14-20	Soft	---	---	---	---	Moderate	High	Low
Chen----------	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
1855:									
Gumble----------	14-20	Soft	---	---	---	---	Moderate	High	Low
Puett Variant---	10-20	Hard	---	---	---	---	Moderate	High	Low
Xeric Torriorthents--	2-10	Soft	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1870:									
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Graley	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Quarz	20-40	Hard	---	---	---	---	Low	Moderate	Low
1871:									
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Cotant	12-20	Soft	---	---	---	---	Low	Moderate	Low
Graley	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
1872:									
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Tusel	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
1874:									
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Quarz	20-40	Hard	---	---	---	---	Low	Moderate	Low
Arcia	30-40	Hard	---	---	---	---	Moderate	Moderate	Low
1875:									
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Bregar	5-12	Hard	---	---	---	---	Moderate	Moderate	Low
Ramires	24-40	Hard	---	---	---	---	Moderate	High	Low
1876:									
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Arcia	30-40	Hard	---	---	---	---	Moderate	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
1877:									
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Bregar	5-12	Hard	---	---	---	---	Moderate	Moderate	Low
Loncan	21-38	Hard	---	---	---	---	Moderate	Moderate	Low
1880:									
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Blitzen	20-40	Soft	---	---	---	---	Low	Moderate	Low
Pequop	>60	---	---	---	---	---	Moderate	Moderate	Low
1881:									
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Blitzen	20-40	Soft	---	---	---	---	Low	Moderate	Low
Loncan	21-38	Hard	---	---	---	---	Moderate	Moderate	Low
1888:									
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Pie Creek	23-40	Hard	---	---	---	---	Moderate	High	Low
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
1889:									
Chen	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Sumine	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
1910:									
Mahala	20-40	Soft	---	---	---	---	Low	High	Low
Ramires	24-40	Hard	---	---	---	---	Moderate	High	Low
1920:									
Lerrow	20-40	Soft	---	---	---	---	Low	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Chen----------	12-20	Hard	---	---	---	---	Moderate	Moderate	Low
Cotant----------	12-20	Soft	---	---	---	---	Low	Moderate	Low
1921:									
Lerrow----------	20-40	Soft	---	---	---	---	Low	Moderate	Low
Quarz----------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Rugar----------	40-60	Soft	---	---	---	---	Moderate	Moderate	Low
1931:									
Tweener---------	7-14	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage--------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Reluctan--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
1932:									
Tweener---------	7-14	Hard	---	---	---	---	Moderate	Moderate	Low
Sumine----------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage--------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
1933:									
Tweener---------	7-14	Hard	---	---	---	---	Moderate	Moderate	Low
Pequop----------	>60	---	---	---	---	---	Moderate	Moderate	Low
Cleavage--------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
1950:									
McIvey----------	>60	---	---	---	---	---	Moderate	Moderate	Low
McIvey----------	>60	---	---	---	---	---	Moderate	Moderate	Low
Tusel-----------	40-60	Hard	---	---	---	---	Moderate	Moderate	Low
1980:									
Thwoop----------	21-32	Hard	20-30	Thin	---	---	Moderate	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Trunk	20-40	Hard	---	---	---	---	Low	High	Low
Pequop	>60	---	---	---	---	---	Moderate	Moderate	Low
2000:									
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
Cotant	12-20	Soft	---	---	---	---	Low	Moderate	Low
Akler	14-20	Soft	---	---	---	---	Low	Moderate	Low
2001:									
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
Bregar	5-12	Hard	---	---	---	---	Moderate	Moderate	Low
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
2002:									
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
Quarz	20-40	Hard	---	---	---	---	Low	Moderate	Low
2003:									
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
Deepeek	>60	---	14-20	Thin	---	---	Moderate	High	Low
Susie Creek	>60	---	---	---	---	---	Low	High	Low
2004:									
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
Ninemile	10-20	Hard	---	---	---	---	Low	Moderate	Low
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low
2005:									
Alyan	20-40	Hard	---	---	---	---	Low	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Graley----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									
2171:									
Deseed----------	20-30	Hard	---	---	---	---	Low	Moderate	Low
Reluctan--------	20-40	Hard	---	---	---	---	Moderate	Moderate	Low
Cleavage--------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
2173:									
Deseed----------	20-30	Hard	---	---	---	---	Low	Moderate	Low
Quarz-----------	20-40	Hard	---	---	---	---	Low	Moderate	Low
2205:									
Coltroop--------	30-35	Hard	14-20	Thick	---	---	Moderate	High	Low
Snowmore--------	21-40	Hard	20-34	Thick	---	---	Moderate	High	Low
2206:									
Coltroop--------	30-35	Hard	14-20	Thick	---	---	Moderate	High	Low
Vanwyper--------	20-40	Hard	---	---	---	---	Low	Moderate	Low
2310:									
Bulake----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Deunah----------	22-40	Hard	20-34	Thick	---	---	Moderate	Moderate	Moderate
Bulake----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
2311:									
Bulake----------	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Hatpeak---------	>60	---	20-30	Thick	---	---	Moderate	High	Low
Petan-----------	15-23	Hard	14-20	Thin	---	---	Moderate	Moderate	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
2505:									
Buffaran	>60	---	14-20	Thick	---	---	Low	High	Low
Zevadez	>60	---	---	---	---	---	Moderate	High	Low
2511:									
Bilbo	>60	---	---	---	---	---	Low	High	Low
Alley	>60	---	---	---	---	---	Moderate	High	Low
Deepeek	>60	---	14-20	Thin	---	---	Moderate	High	Low
2514:									
Bilbo	>60	---	---	---	---	---	Low	High	Low
Susie Creek	>60	---	---	---	---	---	Low	High	Low
Buffaran	>60	---	14-20	Thick	---	---	Low	High	Low
2521:									
Dewar	>60	---	14-20	Thick	---	---	Moderate	High	Low
Chiara	>60	---	10-20	Thick	---	---	Moderate	High	Low
Chiara	>60	---	12-20	Thick	---	---	Moderate	High	Low
2522:									
Dewar	>60	---	14-20	Thick	---	---	Moderate	High	Low
Sodhouse	>60	---	14-20	Thick	---	---	Low	High	Low
2531:									
Clurde Variant	24-32	Hard	---	---	---	---	Moderate	High	Low
Clurde	>60	---	---	---	---	---	Moderate	High	Low
Rock Outcrop.									
2541:									
Kelk	>60	---	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
2545:									
Kelk	>60	---	---	---	---	---	Moderate	High	Low
Clurde	>60	---	---	---	---	---	Moderate	High	Low
2555:									
Piline	>60	---	---	---	---	---	Moderate	High	Low
2560:									
McCleary	>60	---	---	---	---	---	Moderate	High	Low
2561:									
McCleary	>60	---	---	---	---	---	Moderate	High	Low
2571:									
Chiara	>60	---	10-20	Thick	---	---	Moderate	High	Low
Chiara	>60	---	12-20	Thick	---	---	Moderate	High	Low
Chiara	>60	---	12-20	Thick	---	---	Moderate	High	Low
2572:									
Chiara	>60	---	10-20	Thick	---	---	Moderate	High	Low
Chiara	>60	---	10-20	Thick	---	---	Moderate	High	Low
2573:									
Chiara	>60	---	12-20	Thick	---	---	Moderate	High	Low
Chiara	>60	---	12-20	Thick	---	---	Moderate	High	Low
2575:									
Chiara	>60	---	10-20	Thick	---	---	Moderate	High	Low
Dacker	>60	---	20-35	Thick	---	---	Moderate	High	Low
Shalake	>60	---	20-40	Thick	---	---	Moderate	High	Low
2577:									
Chiara	>60	---	10-20	Thick	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Orovada	>60	---	---	---	---	---	Moderate	High	Moderate
2600:									
Shalake	>60	---	20-40	Thick	---	---	Moderate	High	Low
Chiara	>60	---	10-20	Thick	---	---	Moderate	High	Low
Shalake	>60	---	20-40	Thick	---	---	Moderate	High	Low
2611:									
Dacker	>60	---	20-35	Thick	---	---	Moderate	High	Low
Hunnton	>60	---	20-40	Thick	---	---	Moderate	High	Low
2612:									
Dacker	>60	---	20-35	Thick	---	---	Moderate	High	Low
Zevadez	>60	---	---	---	---	---	Moderate	High	Low
2615:									
Dacker	>60	---	20-35	Thick	---	---	Moderate	High	Low
Chiara	>60	---	10-20	Thick	---	---	Moderate	High	Low
2621:									
Gochea	>60	---	---	---	---	---	Moderate	Moderate	Low
Susie Creek	>60	---	---	---	---	---	Low	High	Low
Carstump	20-40	Hard	---	---	---	---	Moderate	High	Low
2641:									
Olac	8-14	Hard	---	---	---	---	Moderate	Moderate	Low
Snowmore	21-40	Hard	20-34	Thick	---	---	Moderate	High	Low
2650:									
Wieland	>60	---	---	---	---	---	Moderate	High	Low
Bartome	>60	---	14-20	Thick	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Zevadez	>60	---	---	---	---	---	Moderate	High	Low
2651:									
Wieland	>60	---	---	---	---	---	Moderate	High	Low
Buffaran	>60	---	14-20	Thick	---	---	Low	High	Low
2652:									
Wieland	>60	---	---	---	---	---	Moderate	High	Low
Dacker	>60	---	20-35	Thick	---	---	Moderate	High	Low
Zevadez	>60	---	---	---	---	---	Moderate	High	Low
2655:									
Wieland	>60	---	---	---	---	---	Moderate	High	Low
Gumble	14-20	Soft	---	---	---	---	Moderate	High	Low
Bilbo	>60	---	---	---	---	---	Low	High	Low
2656:									
Wieland	>60	---	---	---	---	---	Moderate	High	Low
Hunnton	>60	---	20-40	Thick	---	---	Moderate	High	Low
Thwoop	21-32	Hard	20-30	Thin	---	---	Moderate	Moderate	Low
2658:									
Wieland	>60	---	---	---	---	---	Moderate	High	Low
2666:									
Puett	10-20	Soft	---	---	---	---	Moderate	High	Low
Orovada	>60	---	---	---	---	---	Moderate	High	Moderate
2667:									
Puett	10-20	Soft	---	---	---	---	Moderate	High	Low
Rock Outcrop.									

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Clurde----------	>60	---	---	---	---	---	Moderate	High	Low
2668:									
Puett----------	10-20	Soft	---	---	---	---	Moderate	High	Low
Yuko----------	6-14	Soft	---	---	---	---	Moderate	High	Low
Zevadez---------	>60	---	---	---	---	---	Moderate	High	Low
2710:									
Ramires---------	30-40	Hard	---	---	---	---	Moderate	High	Low
Bartome---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Bilbo----------	>60	---	---	---	---	---	Low	High	Low
2711:									
Ramires---------	30-40	Hard	---	---	---	---	Moderate	High	Low
Bilbo----------	>60	---	---	---	---	---	Low	High	Low
Buffaran--------	>60	---	14-20	Thick	---	---	Low	High	Low
2741:									
Wilsor----------	40-60	Soft	---	---	---	---	Moderate	High	Low
Wilsor----------	40-60	Soft	---	---	---	---	Moderate	High	Low
2751:									
Yuko----------	6-14	Soft	---	---	---	---	Moderate	High	Low
Chime----------	20-30	Soft	---	---	---	---	Moderate	High	Low
Clurde----------	>60	---	---	---	---	---	Moderate	High	Low
2775:									
Zevadez---------	>60	---	---	---	---	---	Moderate	High	Low
Bartome---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
2776:									
Zevadez	>60	---	---	---	---	---	Moderate	High	Low
Chiara	>60	---	10-20	Thick	---	---	Moderate	High	Low
2777:									
Zevadez	>60	---	---	---	---	---	Moderate	High	Low
Wieland	>60	---	---	---	---	---	Moderate	High	Low
Clurde	>60	---	---	---	---	---	Moderate	High	Low
2778:									
Zevadez	>60	---	---	---	---	---	Moderate	High	Low
Yuko	6-14	Soft	---	---	---	---	Moderate	High	Low
Kelk	>60	---	---	---	---	---	Moderate	High	Low
2780:									
Snowmore	21-40	Hard	20-34	Thick	---	---	Moderate	High	Low
Snowmore	21-40	Hard	20-34	Thick	---	---	Moderate	High	Low
2781:									
Snowmore	21-40	Hard	20-34	Thick	---	---	Moderate	High	Low
Snowmore	21-40	Hard	20-34	Thick	---	---	Moderate	High	Low
Snowmore	21-40	Hard	20-34	Thick	---	---	Moderate	High	Low
2782:									
Snowmore	21-40	Hard	20-34	Thick	---	---	Moderate	High	Low
Zevadez	>60	---	---	---	---	---	Moderate	High	Low
Snowmore	21-40	Hard	20-34	Thick	---	---	Moderate	High	Low
2783:									
Snowmore	21-40	Hard	20-34	Thick	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Willhill--------	21-40	Hard	---	---	---	---	Low	High	Low
2790:									
Old Camp--------	10-20	Hard	---	---	---	---	Moderate	High	Low
Troughs---------	20-30	Hard	12-20	Thick	---	---	Moderate	High	Low
Olac------------	8-14	Hard	---	---	---	---	Moderate	Moderate	Low
2801:									
Bartome---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Alley-----------	>60	---	---	---	---	---	Moderate	High	Low
Clurde----------	>60	---	---	---	---	---	Moderate	High	Low
2802:									
Bartome---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Buffaran--------	>60	---	14-20	Thick	---	---	Low	High	Low
2803:									
Bartome---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Buffaran--------	>60	---	14-20	Thick	---	---	Low	High	Low
Ramires---------	30-40	Hard	---	---	---	---	Moderate	High	Low
2804:									
Bartome---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Chiara----------	>60	---	10-20	Thick	---	---	Moderate	High	Low
2805:									
Bartome---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
2807:									
Bartome---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Coltroop--------	30-35	Hard	14-20	Thick	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Zevadez---------	>60	---	---	---	---	---	Moderate	High	Low
2808:									
Bartome---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Susie Creek-----	>60	---	---	---	---	---	Low	High	Low
Wieland---------	>60	---	---	---	---	---	Moderate	High	Low
2809:									
Bartome---------	>60	---	14-20	Thick	---	---	Moderate	High	Low
Dacker----------	>60	---	20-35	Thick	---	---	Moderate	High	Low
2820:									
Alley-----------	>60	---	---	---	---	---	Moderate	High	Low
Vanwyper--------	20-40	Hard	---	---	---	---	Low	Moderate	Low
Rock Outcrop.									
2822:									
Alley-----------	>60	---	---	---	---	---	Moderate	High	Low
Rock Outcrop.									
Rubble Land.									
3000:									
Handy-----------	>60	---	---	---	---	---	Low	High	Low
Wilsor----------	40-60	Soft	---	---	---	---	Moderate	High	Low
Deseed----------	20-30	Hard	---	---	---	---	Low	Moderate	Low
3010:									
Relley----------	>60	---	---	---	---	---	Low	High	Moderate
Kelk------------	>60	---	---	---	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
3020:									
Sodhouse	>60	---	14-20	Thick	---	---	Low	High	Low
Chiara	>60	---	10-20	Thick	---	---	Moderate	High	Low
3030:									
Deepeek	>60	---	14-20	Thin	---	---	Moderate	High	Low
Alley	>60	---	---	---	---	---	Moderate	High	Low
3100:									
Ratsow	21-34	Hard	20-30	Thin	---	---	Low	High	Low
Quarz	20-40	Hard	---	---	---	---	Low	Moderate	Low
Susie Creek	>60	---	---	---	---	---	Low	High	Low
3510:									
Midraw	22-35	Hard	14-20	Thick	---	---	Low	High	Low
Troughs	20-30	Hard	12-20	Thick	---	---	Moderate	High	Low
Midraw	22-35	Hard	14-20	Thick	---	---	Low	High	Low
3710:									
Petan	15-23	Hard	14-20	Thin	---	---	Moderate	Moderate	Low
Bulake	14-20	Hard	---	---	---	---	Moderate	Moderate	Low
Rock Outcrop.									
3715:									
Petan	15-23	Hard	14-20	Thin	---	---	Moderate	Moderate	Low
Deunah	22-40	Hard	20-34	Thick	---	---	Moderate	Moderate	Moderate
Hatpeak	>60	---	20-30	Thick	---	---	Moderate	High	Low
3721:									
Hatpeak	>60	---	20-30	Thick	---	---	Moderate	High	Low

TABLE 19.--SOIL FEATURES --Continued

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
Deunah----------	22-40	Hard	20-34	Thick	---	---	Moderate	Moderate	Moderate
3722:									
Hatpeak---------	>60	---	20-30	Thick	---	---	Moderate	High	Low
Hatpeak---------	>60	---	20-30	Thick	---	---	Moderate	High	Low

TABLE 20.--CLASSIFICATION OF THE SOILS

Soil name	Family or higher taxonomic class
Akler	Xerollic Haplargids, clayey, montmorillonitic, frigid, shallow
Alley	Durixerollic Haplargids, fine-loamy, mixed, mesic
Alyan	Aridic Argixerolls, fine, montmorillonitic, frigid
Arcia	Pachic Argixerolls, fine, montmorillonitic, frigid
Bartome	Xerollic Durargids, loamy, mixed, mesic, shallow
Bilbo	Xerollic Haplargids, clayey-skeletal, montmorillonitic, mesic
Bioya	Xerollic Durorthids, fine-loamy, mixed, mesic
Blitzen	Aridic Argixerolls, clayey-skeletal, montmorillonitic, frigid
Booford	Typic Argixerolls, fine, montmorillonitic, frigid
Bregar	Lithic Xerollic Haplargids, loamy-skeletal, mixed, frigid
Buffaran	Xerollic Durargids, clayey, montmorillonitic, mesic, shallow
Bulake	Lithic Mollic Haploxeralfs, clayey, montmorillonitic, frigid
Bullump	Pachic Argixerolls, loamy-skeletal, mixed, frigid
Carstump	Aridic Calcic Argixerolls, clayey-skeletal, montmorillonitic, frigid
Cavanaugh	Ultic Argixerolls, clayey-skeletal, montmorillonitic, frigid
Chen	Lithic Argixerolls, clayey-skeletal, montmorillonitic, frigid
Cherry Spring	Haploxerollic Durargids, fine-loamy, mixed, mesic
Chiara	Xerollic Durorthids, loamy, mixed, mesic, shallow
Chime	Durixerollic Haplargids, fine-loamy, mixed, mesic
Cleavage	Lithic Argixerolls, loamy-skeletal, mixed, frigid
Clementine	Cumulic Haplaquolls, fine-silty, mixed, mesic
Clurde Variant	Durixerollic Camborthids, loamy-skeletal, mixed, mesic
Clurde	Durixerollic Camborthids, fine-loamy, mixed, mesic
Coltroop	Xerollic Durorthids, loamy, mixed, mesic, shallow
Cotant	Aridic Argixerolls, clayey, montmorillonitic, frigid, shallow
Creemon	Duric Camborthids, coarse-silty, mixed, mesic
Crooked Creek	Cumulic Haplaquolls, fine, montmorillonitic, frigid
Dacker	Xerollic Durargids, fine-loamy, mixed, mesic
Deepeek	Xerollic Durargids, loamy-skeletal, mixed, mesic, shallow
Deseed	Xerollic Haplargids, fine, montmorillonitic, frigid
Deunah	Abruptic Durixeralfs, very-fine, montmorillonitic, frigid
Dewar	Xerollic Durargids, loamy, mixed, mesic, shallow
Donna	Abruptic Aridic Durixerolls, very-fine, montmorillonitic, frigid
Enko	Durixerollic Camborthids, coarse-loamy, mixed, mesic
Erakatak	Typic Argixerolls, clayey-skeletal, montmorillonitic, frigid
Fulstone	Abruptic Xerollic Durargids, clayey, montmorillonitic, mesic, shallow
Gando	Lithic Haploxerolls, loamy-skeletal, mixed, frigid
Gochea	Durargidic Argixerolls, fine-loamy, mixed, frigid
Graley	Lithic Argixerolls, clayey-skeletal, montmorillonitic, frigid

TABLE 20.--CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Gumble	Xerollic Haplargids, clayey, montmorillonitic, mesic, shallow
Hackwood	Pachic Cryoborolls, fine-loamy, mixed
Handy	Xerollic Haplargids, fine, montmorillonitic, frigid
Hapgood	Pachic Cryoborolls, loamy-skeletal, mixed
Hatpeak	Typic Durixerolls, fine, montmorillonitic, frigid
Heechee	Typic Argixerolls, loamy-skeletal, mixed, frigid
Humboldt	Fluvaquentic Haplaquolls, fine, montmorillonitic (calcareous), mesic
Hunnton	Xerollic Durargids, fine, montmorillonitic, mesic
Kelk	Durixerollic Camborthids, fine-silty, mixed, mesic
Kleckner	Aridic Argixerolls, clayey-skeletal, montmorillonitic, frigid
Kortty	Duric Haplargids, fine-loamy, mixed, mesic
Lerrow	Aridic Argixerolls, fine, montmorillonitic, frigid
Linkup	Lithic Xerollic Haplargids, clayey, montmorillonitic, frigid
Loncan	Aridic Haploxerolls, loamy-skeletal, mixed, frigid
Lynnbow	Typic Palexerolls, fine, montmorillonitic, frigid
Mahala	Xerollic Paleargids, fine, montmorillonitic, mesic
McCleary	Aeric Fluvaquents, fine, montmorillonitic, nonacid, mesic
McIvey	Typic Argixerolls, clayey-skeletal, montmorillonitic, frigid
Midraw	Xerollic Durargids, clayey, montmorillonitic, mesic, shallow
Ninemile	Lithic Argixerolls, clayey, montmorillonitic, frigid
Olac	Lithic Xerollic Haplargids, loamy-skeletal, mixed, mesic
Old Camp	Lithic Xerollic Haplargids, loamy-skeletal, mixed, mesic
Orovada	Durixerollic Camborthids, coarse-loamy, mixed, mesic
Pattani	Entic Chromoxererts, fine, montmorillonitic, frigid
Pequop	Typic Argixerolls, loamy-skeletal, mixed, frigid
Pernty	Lithic Argixerolls, loamy-skeletal, mixed, frigid
Petan	Typic Durixerolls, clayey-skeletal, montmorillonitic, frigid, shallow
Pie Creek	Aridic Palexerolls, very-fine, montmorillonitic, frigid
Piline	Aquic Chromoxererts, fine, montmorillonitic, mesic
Placeritos	Aquic Xerofluvents, fine-silty, mixed (calcareous), mesic
Puett Variant	Lithic Torriorthents, loamy, mixed (calcareous), mesic
Puett	Xeric Torriorthents, loamy, mixed (calcareous), mesic, shallow
Quarz	Aridic Argixerolls, clayey-skeletal, montmorillonitic, frigid
Ramires	Aridic Calcic Argixerolls, fine, montmorillonitic, frigid
Ratsow	Xerollic Durargids, fine, montmorillonitic, frigid
Relley	Duric Camborthids, fine-silty, mixed, mesic
Reluctan	Aridic Argixerolls, fine-loamy, mixed, frigid
Rugar	Pachic Argixerolls, fine, montmorillonitic, frigid
Shabliss	Haploxerollic Durorthids, loamy, mixed, mesic, shallow

TABLE 20.--CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Shalake	Xerollic Durorthids, coarse-loamy, mixed, mesic
Shalper	Lithic Argixerolls, loamy-skeletal, mixed, frigid
Shively	Pachic Haploxerolls, coarse-loamy, mixed, frigid
Short Creek	Xerollic Haplargids, clayey-skeletal, montmorillonitic, frigid
Skull Creek	Xerollic Durorthids, coarse-loamy, mixed, mesic
Snowmore	Xerollic Durargids, fine-loamy, mixed, mesic
Sodhouse	Typic Durorthids, loamy, mixed, mesic, shallow
Sonoma	Aeric Fluvaquents, fine-silty, mixed (calcareous), mesic
Soonaker	Mollic Haploxeralfs, fine-loamy, mixed, frigid
Soughe	Lithic Xerollic Haplargids, loamy-skeletal, mixed, mesic
Stampede	Aridic Durixerolls, fine, montmorillonitic, frigid
Sumine	Aridic Argixerolls, loamy-skeletal, mixed, frigid
Susie Creek	Durargidic Argixerolls, fine, montmorillonitic, frigid
Thwoop	Aridic Durixerolls, clayey-skeletal, montmorillonitic, frigid
Troughs	Xerollic Durargids, loamy-skeletal, mixed, mesic, shallow
Trunk	Xerollic Haplargids, fine, montmorillonitic, mesic
Tuffo	Vitrandic Torriorthents, ashy, nonacid, mesic, shallow
Tusel	Argic Pachic Cryoborolls, loamy-skeletal, mixed
Tusk	Pachic Argixerolls, fine-loamy, mixed, frigid
Tweba	Aeric Fluvaquents, coarse-loamy, mixed (calcareous), mesic
Tweener	Lithic Argixerolls, loamy-skeletal, mixed, frigid
Upville	Aridic Haploxerolls, sandy-skeletal, mixed, frigid
Vanwyper	Xerollic Haplargids, clayey-skeletal, montmorillonitic, mesic
Welch	Cumulic Haplaquolls, fine-loamy, mixed, frigid
Weso	Duric Camborthids, coarse-loamy, mixed, mesic
Wickahoney	Lithic Mollic Haploxeralfs, clayey-skeletal, montmorillonitic, frigid
Wieland	Durixerollic Haplargids, fine, montmorillonitic, mesic
Willhill	Durixerollic Haplargids, loamy-skeletal, mixed, mesic
Wilsor	Durixerollic Haplargids, fine-loamy, mixed, frigid
Xeric Torriorthents	Xeric Torriorthents, mesic
Yuko	Xerollic Haplargids, loamy, mixed, mesic, shallow
Zevadez	Durixerollic Haplargids, fine-loamy, mixed, mesic

Rangeland Plants and Woodland Understory

001--Rubble land

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions
		Soil name or Inclusion number--
		Rubble land

Range site number: none

Potential production (lb/acre):
Favorable years
Normal years
Unfavorable years

120--Cotant, moderately steep-Lerrow-Cotant association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Cotant	Lerrow	Cotant	Inclusion 1	Inclusion 2
Idaho fescue	FEID	30-50	40-60	30-50	15-25	---
Nevada bluegrass	PONE3	---	2-8	---	---	5-10
Sandberg bluegrass	POSE	---	---	---	2-8	---
Thurber needlegrass	STTH2	---	---	---	2-8	---
basin wildrye	ELCI2	---	2-8	---	---	60-70
bluebunch wheatgrass	AGSP	15-30	5-15	15-30	10-20	---
bluegrass	POA++	2-10	---	2-10	---	---
mat muhly	MURI	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	2-8
Douglas rabbitbrush	CHVI8	---	---	---	2-5	---
antelope bitterbrush	PUTR2	2-5	---	2-5	5-10	---
basin big sagebrush	ARTRT	---	10-20	---	---	5-10
low sagebrush	ARAR8	15-25	---	15-25	25-35	---
Range site number		025XY017NV	025XY027NV	025XY017NV	025XY051NV	025XY003NV
Potential production (lb/acre):						
Favorable years		900	1300	900	500	4500
Normal years		700	900	700	300	3500
Unfavorable years		400	500	400	200	2000

126--Cotant-Lerrow-Akler association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cotant	Lerrow	Akler	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-50	2-5	---	---	5-30	---	40-60
Nevada bluegrass	PONE3	---	2-5	---	40-60	---	---	2-8
Sandberg bluegrass	POSE	---	---	2-8	---	---	---	---
Thurber needlegrass	STTH2	---	2-8	15-30	---	---	---	---
Webber ricegrass	STWE	---	---	2-8	---	---	---	---
alpine timothy	PHAL2	---	---	---	20-40	---	---	---
basin wildrye	ELCI2	---	5-10	---	2-8	---	---	2-8
bluebunch wheatgrass	AGSP	15-30	50-60	20-40	---	---	---	5-15
bluegrass	POA++	2-10	---	---	---	5-15	---	---
mat muhly	MURI	---	---	---	2-8	---	---	---
meadow barley	HOBR2	---	---	---	2-5	---	---	---
sedge	CAREX	---	---	---	2-8	---	---	---
goldenweed	HAPLO2	---	---	---	---	2-5	---	---
antelope bitterbrush	PUTR2	2-5	2-10	---	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	10-20
black sagebrush	ARARN	---	---	---	---	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	15-25	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	5-15	---	---	---	---	---
sagebrush	ARTEM	---	---	20-30	---	30-35	---	---
Range site number		025XY017NV	025XY009NV	025XY018NV	025XY006NV	025XY024NV	none	025XY027NV
Potential production (lb/acre):								
Favorable years		900	1300	800	2000	400		1300
Normal years		700	900	600	1300	275		900
Unfavorable years		400	700	400	800	150		500

127--Cotant-Ninemile-Lerrow association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cotant	Ninemile	Lerrow	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-50	30-50	40-60	30-40	15-30	---	2-5
Nevada bluegrass	PONE3	---	---	2-8	2-5	---	40-60	2-5
Thurber needlegrass	STTH2	---	---	---	---	---	---	2-8
alpine timothy	PHAL2	---	---	---	---	---	20-40	---
basin wildrye	ELCI2	---	---	2-8	2-10	---	2-8	5-10
bluebunch wheatgrass	AGSP	15-30	15-30	5-15	15-30	---	---	50-60
bluegrass	POA++	2-10	2-10	---	---	---	---	---
bulbous oniongrass	MEBU	---	---	---	---	2-8	---	---
mat muhly	MURI	---	---	---	---	---	2-8	---
meadow barley	HOBR2	---	---	---	---	---	2-5	---
mountain brome	BRCA5	---	---	---	---	10-20	---	---
sedge	CAREX	---	---	---	---	---	2-8	---
slender wheatgrass	AGTR	---	---	---	---	2-8	---	---
arrowleaf balsamroot	BASA3	---	---	---	2-5	---	---	---
lupine	LUPIN	---	---	---	---	10-15	---	---
tapertip hawksbeard	CRAC2	---	---	---	2-5	---	---	---
wyethia	WYETH	---	---	---	---	20-30	---	---
antelope bitterbrush	PUTR2	2-5	2-5	---	5-10	---	---	2-10
basin big sagebrush	ARTRT	---	---	10-20	---	---	---	---
low sagebrush	ARAR8	15-25	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	10-20	---	---	5-15
Range site number		025XY017NV	025XY017NV	025XY027NV	025XY012NV	025XY047NV	025XY006NV	025XY009NV
Potential production (lb/acre):								
Favorable years		900	900	1300	1400	2000	2000	1300
Normal years		700	700	900	1000	1500	1300	900
Unfavorable years		400	400	500	700	1000	800	700

128--Cotant-Graley association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Cotant	Graley	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	30-50	30-40	40-60	2-5	---
Nevada bluegrass	PONE3	---	2-5	2-8	2-5	5-10
Thurber needlegrass	STTH2	---	---	---	2-8	---
alpine timothy	PHAL2	---	---	---	---	5-10
basin wildrye	ELCI2	---	2-10	2-8	5-10	---
bluebunch wheatgrass	AGSP	15-30	15-30	5-15	50-60	---
bluegrass	POA++	2-10	---	---	---	---
sedge	CAREX	---	---	---	---	5-10
tufted hairgrass	DECE	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	2-5
arrowleaf balsamroot	BASA3	---	2-5	---	---	---
cinquefoil	POTEN	---	---	---	---	2-5
tapertip hawksbeard	CRAC2	---	2-5	---	---	---
antelope bitterbrush	PUTR2	2-5	5-10	---	2-10	---
basin big sagebrush	ARTRT	---	---	10-20	---	---
low sagebrush	ARAR8	15-25	---	---	---	---
mountain big sagebrush	ARVA2	---	10-20	---	5-15	---
Range site number		025XY017NV	025XY012NV	025XY027NV	025XY009NV	025XY005NV
Potential production (lb/acre):						
Favorable years		900	1400	1300	1300	3000
Normal years		700	1000	900	900	1700
Unfavorable years		400	700	500	700	1000

129--Cotant-Chen-Crooked Creek association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cotant	Chen	Crooked Creek	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-50	30-50	---	30-50	2-5	30-40	---
Nevada bluegrass	PONE3	---	---	40-60	---	2-5	2-5	5-10
Thurber needlegrass	STTH2	---	---	---	---	2-8	---	---
alpine timothy	PHAL2	---	---	20-40	---	---	---	5-10
basin wildrye	ELCI2	---	---	2-8	---	5-10	2-10	---
bluebunch wheatgrass	AGSP	15-30	15-30	---	15-30	50-60	15-30	---
bluegrass	POA++	2-10	2-10	---	2-10	---	---	---
mat muhly	MURI	---	---	2-8	---	---	---	---
meadow barley	HOBR2	---	---	2-5	---	---	---	---
sedge	CAREX	---	---	2-8	---	---	---	5-10
tufted hairgrass	DECE	---	---	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	---	---	2-5
arrowleaf balsamroot	BASA3	---	---	---	---	---	2-5	---
cinquefoil	POTEN	---	---	---	---	---	---	2-5
tapertip hawksbeard	CRAC2	---	---	---	---	---	2-5	---
antelope bitterbrush	PUTR2	2-5	2-5	---	2-5	2-10	5-10	---
low sagebrush	ARAR8	15-25	15-25	---	15-25	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	5-15	10-20	---
Range site number		025XY017NV	025XY017NV	025XY006NV	025XY017NV	025XY009NV	025XY012NV	025XY005NV
Potential production (lb/acre):								
Favorable years		900	900	2000	900	1300	1400	3000
Normal years		700	700	1300	700	900	1000	1700
Unfavorable years		400	400	800	400	700	700	1000

130--Cotant-Booford association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Cotant	Booford	Inclusion 1	Inclusion 2
Idaho fescue	FEID	30-50	30-40	---	---
Indian ricegrass	ORHY	---	---	15-30	---
Nevada bluegrass	PONE3	---	2-5	---	5-10
basin wildrye	ELCI2	---	2-10	2-8	60-70
bluebunch wheatgrass	AGSP	15-30	15-30	---	---
bluegrass	POA++	2-10	---	---	---
bottlebrush squirreltail	SIHY	---	---	5-10	---
mat muhly	MURI	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	2-8
arrowleaf balsamroot	BASA3	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	---
Wyoming big sagebrush	ARTRW	---	---	15-30	---
antelope bitterbrush	PUTR2	2-5	5-10	2-8	---
basin big sagebrush	ARTRT	---	---	---	5-10
black sagebrush	ARARN	---	---	10-20	---
low sagebrush	ARAR8	15-25	---	---	---
mountain big sagebrush	ARVA2	---	10-20	---	---
spiny hopsage	GRSP	---	---	2-5	---
Range site number		025XY017NV	025XY012NV	025XY025NV	025XY003NV
Potential production (lb/acre):					
Favorable years		900	1400	500	4500
Normal years		700	1000	350	3500
Unfavorable years		400	700	200	2000

140--Upville, frequently flooded-Upville association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Upville	Upville	Inclusion 1	Inclusion 2
Canby bluegrass	POCA	---	---	---	---
Nevada bluegrass	PONE3	40-60	---	5-10	5-10
Thurber needlegrass	STTH2	---	10-20	---	---
alpine timothy	PHAL2	20-40	---	---	5-10
basin wildrye	ELCI2	2-8	2-8	60-70	---
bluebunch wheatgrass	AGSP	---	20-35	---	---
bluegrass	POA++	---	2-10	---	---
mat muhly	MURI	2-8	---	2-8	---
meadow barley	HOBR2	2-5	---	---	---
sedge	CAREX	2-8	---	---	5-10
streambank wheatgrass	AGDAR	---	---	2-8	---
tufted hairgrass	DECE	---	---	---	30-60
Sierra clover	TRWO	---	---	---	2-5
cinquefoil	POTEN	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	---	---	---
antelope bitterbrush	PUTR2	---	2-8	---	---
basin big sagebrush	ARTRT	---	---	5-10	---
big sagebrush	ARTR2	---	10-20	---	---
mountain big sagebrush	ARVA2	---	---	---	---
Range site number		025XY006NV	025XY014NV	025XY003NV	025XY005NV
Potential production (lb/acre):					
Favorable years		2000	1000	4500	3000
Normal years		1300	800	3500	1700
Unfavorable years		800	600	2000	1000

141--Upville-Kleckner association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		Upville	Kleckner	Inclusion 1
Canby bluegrass	POCA	---	---	---
Nevada bluegrass	PONE3	---	---	---
Sandberg bluegrass	POSE	---	---	2-5
Thurber needlegrass	STTH2	10-20	10-20	15-25
basin wildrye	ELCI2	2-8	2-8	---
bluebunch wheatgrass	AGSP	20-35	20-35	25-40
bluegrass	POA++	2-10	2-10	---
Wyoming big sagebrush	ARTRW	---	---	15-25
antelope bitterbrush	PUTR2	2-8	2-8	---
basin big sagebrush	ARTRT	---	---	---
big sagebrush	ARTR2	10-20	10-20	---
mountain big sagebrush	ARVA2	---	---	---
Range site number		025XY014NV	025XY014NV	025XY019NV
Potential production (lb/acre):				
Favorable years		1000	1000	800
Normal years		800	800	600
Unfavorable years		600	600	400

150--Gochea gravelly loam, 2 to 4 percent slopes

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Gochea	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---
Idaho fescue	FEID	---	---	---	30-50
Nevada bluegrass	PONE3	---	---	40-60	---
Thurber needlegrass	STTH2	10-20	10-20	---	---
alpine timothy	PHAL2	---	---	20-40	---
basin wildrye	ELCI2	2-8	2-8	2-8	---
bluebunch wheatgrass	AGSP	20-35	20-35	---	15-30
bluegrass	POA++	2-10	2-10	---	2-10
mat muhly	MURI	---	---	2-8	---
meadow barley	HOBR2	---	---	2-5	---
sedge	CAREX	---	---	2-8	---
Wyoming big sagebrush	ARTRW	---	---	---	---
antelope bitterbrush	PUTR2	2-8	2-8	---	2-5
basin big sagebrush	ARTRT	---	---	---	---
big sagebrush	ARTR2	10-20	10-20	---	---
low sagebrush	ARAR8	---	---	---	15-25
mountain big sagebrush	ARVA2	---	---	---	---
Range site number		025XY014NV	025XY014NV	025XY006NV	025XY017NV
Potential production (lb/acre):					
Favorable years		1000	1000	2000	900
Normal years		800	800	1300	700
Unfavorable years		600	600	800	400

161--Sonoma silt loam, drained, 0 to 2 percent slopes

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		Sonoma	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	5-10	---	5-10
basin wildrye	ELCI2	60-70	55-65	60-70
creeping wildrye	ELTR3	---	5-15	---
mat muhly	MURI	2-8	---	2-8
streambank wheatgrass	AGDAR	2-8	---	2-8
western wheatgrass	AGSM	---	5-15	---
basin big sagebrush	ARTRT	5-10	10-15	5-10
black greasewood	SAVE4	---	2-8	---
Range site number		025XY003NV	024XY006NV	025XY003NV
Potential production (lb/acre):				
Favorable years		4500	1500	4500
Normal years		3500	1100	3500
Unfavorable years		2000	600	2000

162--Sonoma silt loam, drained, occasionally flooded

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		Sonoma	Inclusion 1	Inclusion 2
basin wildrye	ELCI2	55-65	55-65	5-15
creeping wildrye	ELTR3	5-15	5-15	---
inland saltgrass	DISPS2	---	---	5-10
western wheatgrass	AGSM	5-15	5-15	---
basin big sagebrush	ARTRT	10-15	10-15	---
black greasewood	SAVE4	2-8	2-8	60-75
Range site number		024XY006NV	024XY006NV	024XY011NV
Potential production (lb/acre):				
Favorable years		1500	1500	500
Normal years		1100	1100	350
Unfavorable years		600	600	200

184--Crooked Creek silty clay loam, frequently flooded, 0 to 2 percent slopes

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		Crooked Creek	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	5-10	5-10	5-10
alpine timothy	PHAL2	5-10	5-10	---
basin wildrye	ELCI2	---	---	60-70
mat muhly	MURI	---	---	2-8
sedge	CAREX	5-10	5-10	---
streambank wheatgrass	AGDAR	---	---	2-8
tufted hairgrass	DECE	30-60	30-60	---
Sierra clover	TRWO	2-5	2-5	---
cinquefoil	POTEN	2-5	2-5	---
basin big sagebrush	ARTRT	---	---	5-10
Range site number		025XY005NV	025XY005NV	025XY003NV
Potential production (lb/acre):				
Favorable years		3000	3000	4500
Normal years		1700	1700	3500
Unfavorable years		1000	1000	2000

185--Crooked Creek, moderately wet-Crooked Creek association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Crooked Creek	Crooked Creek	Inclusion 1	Inclusion 2	Inclusion 3
Nevada bluegrass	PONE3	5-15	5-10	5-10	40-60	---
alkali sacaton	SPAI	---	---	---	---	5-25
alpine timothy	PHAL2	---	5-10	---	20-40	---
basin wildrye	ELCI2	---	---	60-70	2-8	50-60
creeping wildrye	ELTR3	---	---	---	---	---
inland saltgrass	DISPS2	2-5	---	---	---	---
mat muhly	MURI	2-5	---	2-8	2-8	---
meadow barley	HOBR2	---	---	---	2-5	---
sedge	CAREX	2-10	5-10	---	2-8	---
streambank wheatgrass	AGDAR	---	---	2-8	---	---
tufted hairgrass	DECE	---	30-60	---	---	---
wildrye	ELYMU	60-80	---	---	---	---
Sierra clover	TRWO	---	2-5	---	---	---
cinquefoil	POTEN	---	2-5	---	---	---
basin big sagebrush	ARTRT	---	---	5-10	---	---
black greasewood	SAVE4	---	---	---	---	5-15
rubber rabbitbrush	CHNA2	---	---	---	---	2-5
willow	SALIX	5-10	---	---	---	---
Range site number		025XY001NV	025XY005NV	025XY003NV	025XY006NV	024XY007NV
Potential production (lb/acre):						
Favorable years		3500	3000	4500	2000	1900
Normal years		2500	1700	3500	1300	1400
Unfavorable years		1800	1000	2000	800	800

186--Crooked Creek-Crooked Creek, occasionally flooded-Crooked Creek,

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Crooked Creek	Crooked Creek	Crooked Creek	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	5-10	40-60	5-10	5-10	5-10
alpine timothy	PHAL2	5-10	20-40	---	5-10	---
basin wildrye	ELCI2	---	2-8	60-70	---	60-70
mat muhly	MURI	---	2-8	2-8	---	2-8
meadow barley	HOBR2	---	2-5	---	---	---
sedge	CAREX	5-10	2-8	---	5-10	---
streambank wheatgrass	AGDAR	---	---	2-8	---	2-8
tufted hairgrass	DECE	30-60	---	---	30-60	---
Sierra clover	TRWO	2-5	---	---	2-5	---
cinquefoil	POTEN	2-5	---	---	2-5	---
basin big sagebrush	ARTRT	---	---	5-10	---	5-10
Range site number		025XY005NV	025XY006NV	025XY003NV	025XY005NV	025XY003NV
Potential production (lb/acre):						
Favorable years		3000	2000	4500	3000	4500
Normal years		1700	1300	3500	1700	3500
Unfavorable years		1000	800	2000	1000	2000

188--Crooked Creek-Welch-Crooked Creek, drained association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Crooked Creek	Welch	Crooked Creek	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	5-10	5-10	5-10	5-10	5-10
alpine timothy	PHAL2	5-10	---	---	5-10	5-10
basin wildrye	ELCI2	---	60-70	60-70	---	---
mat muhly	MURI	---	2-8	2-8	---	---
sedge	CAREX	5-10	---	---	5-10	5-10
streambank wheatgrass	AGDAR	---	2-8	2-8	---	---
tufted hairgrass	DECE	30-60	---	---	30-60	30-60
Sierra clover	TRWO	2-5	---	---	2-5	2-5
cinquefoil	POTEN	2-5	---	---	2-5	2-5
basin big sagebrush	ARTRT	---	5-10	5-10	---	---
Range site number		025XY005NV	025XY003NV	025XY003NV	025XY005NV	025XY005NV
Potential production (lb/acre):						
Favorable years		3000	4500	4500	3000	3000
Normal years		1700	3500	3500	1700	1700
Unfavorable years		1000	2000	2000	1000	1000

190--Heechee-Heechee, cobbly association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Heechee	Heechee	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	40-60	15-30	40-60	30-50	---
Nevada bluegrass	PONE3	2-8	---	2-8	---	5-10
Thurber needlegrass	STTH2	---	2-5	---	---	---
alpine timothy	PHAL2	---	---	---	---	5-10
basin wildrye	ELCI2	2-8	---	2-8	---	---
bluebunch wheatgrass	AGSP	5-15	10-20	5-15	15-30	---
bluegrass	POA++	---	---	---	2-10	---
sedge	CAREX	---	---	---	---	5-10
tufted hairgrass	DECE	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	2-5
cinquefoil	POTEN	---	---	---	---	2-5
antelope bitterbrush	PUTR2	---	20-40	---	2-5	---
basin big sagebrush	ARTRT	10-20	---	10-20	---	---
low sagebrush	ARAR8	---	---	---	15-25	---
mountain big sagebrush	ARVA2	---	5-10	---	---	---
Range site number		025XY027NV	025XY007NV	025XY027NV	025XY017NV	025XY005NV
Potential production (lb/acre):						
Favorable years		1300	2300	1300	900	3000
Normal years		900	1400	900	700	1700
Unfavorable years		500	900	500	400	1000

200--Lynnbow-Rugar association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Lynnbow	Rugar	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-50	40-60	---	30-50	---	---
Nevada bluegrass	PONE3	---	2-8	---	---	5-10	5-10
Thurber needlegrass	STTH2	---	---	5-15	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	5-10
basin wildrye	ELCI2	---	2-8	2-5	---	60-70	---
bluebunch wheatgrass	AGSP	15-30	5-15	60-80	15-30	---	---
bluegrass	POA++	2-10	---	---	2-10	---	---
mat muhly	MURI	---	---	---	---	2-8	---
sedge	CAREX	---	---	---	---	---	5-10
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---
tufted hairgrass	DECE	---	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	---	2-5
cinquefoil	POTEN	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	---	5-15	---	---	---
antelope bitterbrush	PUTR2	2-5	---	1-5	2-5	---	---
basin big sagebrush	ARTRT	---	10-20	---	---	5-10	---
low sagebrush	ARAR8	15-25	---	---	15-25	---	---
Range site number		025XY017NV	025XY027NV	025XY015NV	025XY017NV	025XY003NV	025XY005NV
Potential production (lb/acre):							
Favorable years		900	1300	1000	900	4500	3000
Normal years		700	900	700	700	3500	1700
Unfavorable years		400	500	500	400	2000	1000

201--Lynnbow-Lerrow-Crooked Creek association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Lynnbow	Lerrow	Crooked Creek	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-50	40-60	---	30-50	30-50	30-50	30-50
Nevada bluegrass	PONE3	---	2-8	40-60	---	---	---	---
alpine timothy	PHAL2	---	---	20-40	---	---	---	---
basin wildrye	ELCI2	---	2-8	2-8	---	---	---	---
bluebunch wheatgrass	AGSP	15-30	5-15	---	15-30	15-30	15-30	15-30
bluegrass	POA++	2-10	---	---	2-10	2-10	2-10	2-10
mat muhly	MURI	---	---	2-8	---	---	---	---
meadow barley	HOBR2	---	---	2-5	---	---	---	---
sedge	CAREX	---	---	2-8	---	---	---	---
antelope bitterbrush	PUTR2	2-5	---	---	2-5	2-5	2-5	2-5
basin big sagebrush	ARTRT	---	10-20	---	---	---	---	---
low sagebrush	ARAR8	15-25	---	---	15-25	15-25	15-25	15-25
Range site number		025XY017NV	025XY027NV	025XY006NV	025XY017NV	025XY017NV	025XY017NV	025XY017NV
Potential production (lb/acre):								
Favorable years		900	1300	2000	900	900	900	900
Normal years		700	900	1300	700	700	700	700
Unfavorable years		400	500	800	400	400	400	400

210--Soonaker-Bulake association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Soonaker	Bulake	Inclusion 1	Inclusion 2
Idaho fescue	FEID	40-60	30-50	40-60	---
Nevada bluegrass	PONE3	2-8	---	2-8	5-10
basin wildrye	ELCI2	2-8	---	2-8	60-70
bluebunch wheatgrass	AGSP	5-15	15-30	5-15	---
bluegrass	POA++	---	2-10	---	---
mat muhly	MURI	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	2-8
antelope bitterbrush	PUTR2	---	2-5	---	---
basin big sagebrush	ARTRT	10-20	---	10-20	5-10
low sagebrush	ARAR8	---	15-25	---	---
Range site number		025XY027NV	025XY017NV	025XY027NV	025XY003NV
Potential production (lb/acre):					
Favorable years		1300	900	1300	4500
Normal years		900	700	900	3500
Unfavorable years		500	400	500	2000

220--Cavanaugh-Rugar-McIvey association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Cavanaugh	Rugar	McIvey	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	30-50	15-30	30-40	---	5-15	---
Nevada bluegrass	PONE3	---	---	2-5	40-60	---	---
alpine timothy	PHAL2	---	---	---	20-40	---	---
basin wildrye	ELCI2	---	---	2-10	2-8	---	---
bluebunch wheatgrass	AGSP	15-30	---	15-30	---	2-10	---
bluegrass	POA++	2-10	---	---	---	---	---
bulbous oniongrass	MEBU	---	2-8	---	---	---	---
mat muhly	MURI	---	---	---	2-8	---	---
meadow barley	HOBR2	---	---	---	2-5	---	---
mountain brome	BRCA5	---	10-20	---	---	---	---
sedge	CAREX	---	---	---	2-8	---	---
slender wheatgrass	AGTR	---	2-8	---	---	---	---
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---
lupine	LUPIN	---	10-15	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---
wyethia	WYETH	---	20-30	---	---	---	---
Saskatoon serviceberry	AMAL2	---	---	---	---	---	---
Utah serviceberry	AMUT	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-5	---	5-10	---	2-8	---
low sagebrush	ARAR8	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	10-20	---	2-5	---
serviceberry	AMELA	---	---	---	---	40-50	---
snowberry	SYMPH	---	---	---	---	2-8	---
Range site number		025XY017NV	025XY047NV	025XY012NV	025XY006NV	025XY046NV	none
Potential production (lb/acre):							
Favorable years		900	2000	1400	2000	1800	
Normal years		700	1500	1000	1300	1300	
Unfavorable years		400	1000	700	800	900	

221--Cavanaugh-Quarz-Alyan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Cavanaugh	Quarz	Alyan	Inclusion 1	Inclusion 2
Idaho fescue	FEID	30-50	2-5	40-60	---	15-30
Nevada bluegrass	PONE3	---	2-5	2-8	---	---
Thurber needlegrass	STTH2	---	2-8	---	---	2-5
basin wildrye	ELCI2	---	5-10	2-8	---	---
bluebunch wheatgrass	AGSP	15-30	50-60	5-15	---	10-20
bluegrass	POA++	2-10	---	---	---	---
antelope bitterbrush	PUTR2	2-5	2-10	---	---	20-40
basin big sagebrush	ARTRT	---	---	10-20	---	---
low sagebrush	ARAR8	15-25	---	---	---	---
mountain big sagebrush	ARVA2	---	5-15	---	---	5-10
Range site number		025XY017NV	025XY009NV	025XY027NV	0250X027NV	025XY007NV
Potential production (lb/acre):						
Favorable years		900	1300	1300		2300
Normal years		700	900	900		1400
Unfavorable years		400	700	500		900

233--Bioya-Bilbo-Chiara association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bioya	Bilbo	Chiara	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	---	---	---	15-30	---	---	---
Sandberg bluegrass	POSE	2-5	---	2-5	---	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	5-15	15-25	---	15-25	15-25	15-25
basin wildrye	ELCI2	---	2-5	---	2-8	---	---	---
bluebunch wheatgrass	AGSP	25-40	60-80	25-40	---	25-40	25-40	25-40
bottlebrush squirreltail	SIHY	---	---	---	5-10	---	---	---
Wyoming big sagebrush	ARTRW	15-25	5-15	15-25	15-30	15-25	15-25	15-25
antelope bitterbrush	PUTR2	---	1-5	---	2-8	---	---	---
black sagebrush	ARARN	---	---	---	10-20	---	---	---
spiny hopsage	GRSP	---	---	---	2-5	---	---	---
Range site number		025XY019NV	025XY015NV	025XY019NV	025XY025NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):								
Favorable years		800	1000	800	500	800	800	800
Normal years		600	700	600	350	600	600	600
Unfavorable years		400	500	400	200	400	400	400

234--Bioya-Shabliss-Puett association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bioya	Shabliss	Puett	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	---	---	15-30	---	---	---	---
Thurber needlegrass	STTH2	40-50	40-50	---	---	40-50	---	40-50
basin wildrye	ELCI2	---	---	2-8	---	---	55-65	---
bluebunch wheatgrass	AGSP	2-10	2-10	---	---	2-10	---	2-10
bottlebrush squirreltail	SIHY	---	---	5-10	---	---	---	---
creeping wildrye	ELTR3	---	---	---	---	---	5-15	---
western wheatgrass	AGSM	---	---	---	---	---	5-15	---
globemallow	SPHAE	1-3	1-3	---	---	1-3	---	1-3
Wyoming big sagebrush	ARTRW	25-35	25-35	15-30	---	25-35	---	25-35
antelope bitterbrush	PUTR2	---	---	2-8	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	10-15	---
black greasewood	SAVE4	---	---	---	---	---	2-8	---
black sagebrush	ARARN	---	---	10-20	---	---	---	---
spiny hopsage	GRSP	2-5	2-5	2-5	---	2-5	---	2-5
Range site number		024XY005NV	024XY005NV	025XY025NV	none	024XY005NV	024XY006NV	024XY005NV
Potential production (lb/acre):								
Favorable years		800	800	500		800	1500	800
Normal years		600	600	350		600	1100	600
Unfavorable years		400	400	200		400	600	400

235--Bioya-Trunk-Alley association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Bioya	Trunk	Alley	Inclusion 1
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):					
Favorable years		800	800	800	800
Normal years		600	600	600	600
Unfavorable years		400	400	400	400

236--Bioya-Wieland-Kleckner association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bioya	Wieland	Kleckner	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	---	---	10-20	---
Letterman needlegrass	STLE4	---	---	---	---	---	5-10	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	---
Sandberg bluegrass	POSE	2-5	2-5	---	2-5	2-5	---	2-5
Thurber needlegrass	STTH2	15-25	15-25	10-20	15-25	15-25	---	15-25
basin wildrye	ELCI2	---	---	2-8	---	---	---	---
bluebunch wheatgrass	AGSP	25-40	25-40	20-35	25-40	25-40	10-20	25-40
bluegrass	POA++	---	---	2-10	---	---	2-8	---
Wyoming big sagebrush	ARTRW	15-25	15-25	---	15-25	15-25	---	15-25
antelope bitterbrush	PUTR2	---	---	2-8	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	10-20	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	15-25	---
mountain snowberry	SYOR2	---	---	---	---	---	2-8	---
curlleaf mountainmahogany	CELE3	---	---	---	---	---	30-50	---
Range site number		025XY019NV	025XY019NV	025XY014NV	025XY019NV	025XY019NV	025XY031NV	025XY019NV
Potential production (lb/acre):								
Favorable years		800	800	1000	800	800	1300	800
Normal years		600	600	800	600	600	900	600
Unfavorable years		400	400	600	400	400	600	400

241--Wickahoney-Deunah-Petan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Wickahoney	Deunah	Petan	Inclusion 1
Idaho fescue	FEID	30-50	30-50	---	30-50
Sandberg bluegrass	POSE	---	---	2-10	---
Thurber needlegrass	STTH2	---	---	10-20	---
Webber ricegrass	STWE	---	---	5-10	---
bluebunch wheatgrass	AGSP	15-30	15-30	20-30	15-30
bluegrass	POA++	2-10	2-10	---	2-10
balsamroot	BALSA	---	---	2-5	---
antelope bitterbrush	PUTR2	2-5	2-5	---	2-5
low sagebrush	ARAR8	15-25	15-25	25-35	15-25
Range site number		025XY017NV	025XY017NV	025XY022NV	025XY017NV
Potential production (lb/acre):					
Favorable years		900	900	600	900
Normal years		700	700	400	700
Unfavorable years		400	400	250	400

270--Pernty, steep-Loncan-Pernty association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Pernty	Loncan	Pernty	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	30-40	30-40	30-40	---	---	---
Nevada bluegrass	PONE3	2-5	2-5	2-5	---	---	40-60
alpine timothy	PHAL2	---	---	---	---	---	20-40
basin wildrye	ELCI2	2-10	2-10	2-10	---	---	2-8
bluebunch wheatgrass	AGSP	15-30	15-30	15-30	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8
meadow barley	HOBR2	---	---	---	---	---	2-5
sedge	CAREX	---	---	---	---	---	2-8
arrowleaf balsamroot	BASA3	2-5	2-5	2-5	---	---	---
tapertip hawksbeard	CRAC2	2-5	2-5	2-5	---	---	---
antelope bitterbrush	PUTR2	5-10	5-10	5-10	---	---	---
mountain big sagebrush	ARVA2	10-20	10-20	10-20	---	---	---
Range site number		025XY012NV	025XY012NV	025XY012NV	none	none	025XY006NV
Potential production (lb/acre):							
Favorable years		1400	1400	1400			2000
Normal years		1000	1000	1000			1300
Unfavorable years		700	700	700			800

280--Humboldt silty clay loam, occasionally flooded

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Humboldt	Inclusion 1	Inclusion 2	Inclusion 3
Nevada bluegrass	PONE3	---	---	5-15	5-15
alkali sacaton	SPAI	5-25	5-25	---	---
basin wildrye	ELCI2	50-60	50-60	---	---
creeping wildrye	ELTR3	---	---	---	---
inland saltgrass	DISPS2	---	---	2-5	2-5
mat muhly	MURI	---	---	2-5	2-5
sedge	CAREX	---	---	2-10	2-10
wildrye	ELYMU	---	---	60-80	60-80
black greasewood	SAVE4	5-15	5-15	---	---
rubber rabbitbrush	CHNA2	2-5	2-5	---	---
willow	SALIX	---	---	5-10	5-10
Range site number		024XY007NV	024XY007NV	025XY001NV	025XY001NV
Potential production (lb/acre):					
Favorable years		1900	1900	3500	3500
Normal years		1400	1400	2500	2500
Unfavorable years		800	800	1800	1800

308--Akler-Pattani-Cotant association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Akler	Pattani	Cotant	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	---	---	30-50	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	5-10	5-10
Sandberg bluegrass	POSE	2-8	---	---	2-8	---	---	---
Thurber needlegrass	STTH2	15-30	5-15	---	15-30	10-20	---	---
Webber ricegrass	STWE	2-8	---	---	2-8	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	5-10	---
basin wildrye	ELCI2	---	30-50	---	---	2-8	---	60-70
bluebunch wheatgrass	AGSP	20-40	5-15	15-30	20-40	20-35	---	---
bluegrass	POA++	---	---	2-10	---	2-10	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
sedge	CAREX	---	---	---	---	---	5-10	---
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
tufted hairgrass	DECE	---	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	---	2-5	---
cinquefoil	POTEN	---	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	---	---	2-5	---	2-8	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
big sagebrush	ARTR2	---	10-20	---	---	10-20	---	---
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
sagebrush	ARTEM	20-30	---	---	20-30	---	---	---
Range site number		025XY018NV	025XY013NV	025XY017NV	025XY018NV	025XY014NV	025XY005NV	025XY003NV
Potential production (lb/acre):								
Favorable years		800	1000	900	800	1000	3000	4500
Normal years		600	800	700	600	800	1700	3500
Unfavorable years		400	500	400	400	600	1000	2000

309--Akler-Susie Creek association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Akler	Susie Creek	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---
Idaho fescue	FEID	---	---	---	40-60	15-25
Nevada bluegrass	PONE3	---	---	5-10	2-8	---
Sandberg bluegrass	POSE	2-8	---	---	---	2-8
Thurber needlegrass	STTH2	15-30	10-20	---	---	2-8
Webber ricegrass	STWE	2-8	---	---	---	---
basin wildrye	ELCI2	---	2-8	60-70	2-8	---
bluebunch wheatgrass	AGSP	20-40	20-35	---	5-15	10-20
bluegrass	POA++	---	2-10	---	---	---
mat muhly	MURI	---	---	2-8	---	---
streambank wheatgrass	AGDAR	---	---	2-8	---	---
Douglas rabbitbrush	CHVI8	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	---	---	---	---
antelope bitterbrush	PUTR2	---	2-8	---	---	5-10
basin big sagebrush	ARTRT	---	---	5-10	10-20	---
big sagebrush	ARTR2	---	10-20	---	---	---
early sagebrush	ARLO9	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	25-35
mountain big sagebrush	ARVA2	---	---	---	---	---
sagebrush	ARTEM	20-30	---	---	---	---
Range site number		025XY018NV	025XY014NV	025XY003NV	025XY027NV	025XY051NV
Potential production (lb/acre):						
Favorable years		800	1000	4500	1300	500
Normal years		600	800	3500	900	300
Unfavorable years		400	600	2000	500	200

457--Donna-Stampede-Short Creek association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Donna	Stampede	Short Creek	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	---	2-5	---
Nevada bluegrass	PONE3	---	---	---	---	2-5	5-10
Sandberg bluegrass	POSE	2-8	---	---	2-8	---	---
Thurber needlegrass	STTH2	15-30	10-20	5-15	15-30	2-8	---
Webber ricegrass	STWE	2-8	---	---	2-8	---	---
basin wildrye	ELCI2	---	2-8	2-5	---	5-10	60-70
bluebunch wheatgrass	AGSP	20-40	20-35	60-80	20-40	50-60	---
bluegrass	POA++	---	2-10	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8
Wyoming big sagebrush	ARTRW	---	---	5-15	---	---	---
antelope bitterbrush	PUTR2	---	2-8	1-5	---	2-10	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10
big sagebrush	ARTR2	---	10-20	---	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	5-15	---
sagebrush	ARTEM	20-30	---	---	20-30	---	---
Range site number		025XY018NV	025XY014NV	025XY015NV	025XY018NV	025XY009NV	025XY003NV
Potential production (lb/acre):							
Favorable years		800	1000	1000	800	1300	4500
Normal years		600	800	700	600	900	3500
Unfavorable years		400	600	500	400	700	2000

458--Donna-Stampede association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Donna	Stampede	Inclusion 1	Inclusion 2
Canby bluegrass	POCA	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---
Sandberg bluegrass	POSE	2-8	---	---	---
Thurber needlegrass	STTH2	15-30	10-20	5-15	10-20
Webber ricegrass	STWE	2-8	---	---	---
basin wildrye	ELCI2	---	2-8	2-5	2-8
bluebunch wheatgrass	AGSP	20-40	20-35	60-80	20-35
bluegrass	POA++	---	2-10	---	2-10
Wyoming big sagebrush	ARTRW	---	---	5-15	---
antelope bitterbrush	PUTR2	---	2-8	1-5	2-8
basin big sagebrush	ARTRT	---	---	---	---
big sagebrush	ARTR2	---	10-20	---	10-20
early sagebrush	ARLO9	---	---	---	---
low sagebrush	ARAR8	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---
sagebrush	ARTEM	20-30	---	---	---
Range site number		025XY018NV	025XY014NV	025XY015NV	025XY014NV
Potential production (lb/acre):					
Favorable years		800	1000	1000	1000
Normal years		600	800	700	800
Unfavorable years		400	600	500	600

464--Stampede silt loam, 2 to 8 percent slopes

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Stampede	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---
Nevada bluegrass	PONE3	---	5-10	5-10	---	---
Sandberg bluegrass	POSE	---	---	---	---	2-8
Thurber needlegrass	STTH2	10-20	---	---	5-15	15-30
Webber ricegrass	STWE	---	---	---	---	2-8
alpine timothy	PHAL2	---	---	5-10	---	---
basin wildrye	ELCI2	2-8	60-70	---	2-5	---
bluebunch wheatgrass	AGSP	20-35	---	---	60-80	20-40
bluegrass	POA++	2-10	---	---	---	---
mat muhly	MURI	---	2-8	---	---	---
sedge	CAREX	---	---	5-10	---	---
streambank wheatgrass	AGDAR	---	2-8	---	---	---
tufted hairgrass	DECE	---	---	30-60	---	---
Sierra clover	TRWO	---	---	2-5	---	---
cinquefoil	POTEN	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW	---	---	---	5-15	---
antelope bitterbrush	PUTR2	2-8	---	---	1-5	---
basin big sagebrush	ARTRT	---	5-10	---	---	---
big sagebrush	ARTR2	10-20	---	---	---	---
early sagebrush	ARLO9	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---
sagebrush	ARTEM	---	---	---	---	20-30
Range site number		025XY014NV	025XY003NV	025XY005NV	025XY015NV	025XY018NV
Potential production (lb/acre):						
Favorable years		1000	4500	3000	1000	800
Normal years		800	3500	1700	700	600
Unfavorable years		600	2000	1000	500	400

570--Sumine-Cleavage-Hapgood association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Cleavage	Hapgood	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	2-5	2-8	---	---	---
Idaho fescue	FEID	2-5	5-30	2-10	---	---	---	---
Letterman needlegrass	STLE4	---	---	---	2-5	---	---	40-60
Nevada bluegrass	PONE3	2-5	---	2-5	---	5-10	5-10	---
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	5-10	5-10	---
basin wildrye	ELCI2	5-10	---	---	---	---	---	---
bluebunch wheatgrass	AGSP	50-60	---	2-5	---	---	---	---
bluegrass	POA++	---	5-15	---	---	---	---	---
mountain brome	BRCA5	---	---	5-15	5-10	---	---	---
sedge	CAREX	---	---	---	---	5-10	5-10	---
slender wheatgrass	AGTR	---	---	5-15	5-10	---	---	---
spike-fescue	LEKI2	---	---	2-10	---	---	---	---
tufted hairgrass	DECE	---	---	---	---	30-60	30-60	---
Sierra clover	TRWO	---	---	---	---	2-5	2-5	---
cinquefoil	POTEN	---	---	---	---	2-5	2-5	---
goldenweed	HAPLO2	---	2-5	---	---	---	---	---
tailcup lupine	LUCA	---	---	---	---	---	---	20-40
Utah serviceberry	AMUT	---	---	1-5	---	---	---	---
antelope bitterbrush	PUTR2	2-10	---	1-5	---	---	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	---	1-5	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	---	5-15	---	---	---	---
quaking aspen	POTR5	---	---	---	50-60	---	---	---
sagebrush	ARTEM	---	30-35	---	---	---	---	---
snowberry	SYMPH	---	---	2-15	---	---	---	---
willow	SALIX	---	---	---	1-8	---	---	---
Range site number		025XY009NV	025XY024NV	025XY004NV	025XY002NV	025XY005NV	025XY005NV	025XY028NV
Potential production (lb/acre):								
Favorable years		1300	400	2800	1800	3000	3000	1700
Normal years		900	275	1800	1300	1700	1700	1400
Unfavorable years		700	150	1200	900	1000	1000	1100

571--Sumine-Tusel-Gando association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Tusel	Gando	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Cusick bluegrass	POCU3	---	5-10	---	---	---	---	---
Idaho fescue	FEID	2-5	50-65	5-30	---	X	5-30	---
Nevada bluegrass	PONE3	2-5	---	---	---	---	---	---
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
basin wildrye	ELCI2	5-10	---	---	---	---	---	---
bluebunch wheatgrass	AGSP	50-60	2-5	---	---	---	---	---
bluegrass	POA++	---	---	5-15	---	---	5-15	---
horsemint giant hyssop	AGUR	---	---	---	---	X	---	---
mountain brome	BRCA5	---	---	---	---	X	---	---
slender wheatgrass	AGTR	---	---	---	---	X	---	---
goldenweed	HAPLO2	---	---	2-5	---	---	2-5	---
groundsel	SENEC	---	---	---	---	X	---	---
Utah serviceberry	AMUT	---	---	---	---	X	---	---
antelope bitterbrush	PUTR2	2-10	---	---	---	---	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	2-8	---	---	---	---	---
sagebrush	ARTEM	---	---	30-35	---	---	30-35	---
snowberry	SYMPH	---	---	---	---	X	---	---
quaking aspen	POTRT	---	---	---	---	X	---	---
Range site number		025XY009NV	025XY010NV	025XY024NV	none	025XY065NV	025XY024NV	none
Potential production (lb/acre):								
Favorable years		1300	1200	400		800	400	
Normal years		900	800	275		600	275	
Unfavorable years		700	600	150		400	150	

572--Sumine-Reluctan-Cleavage association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Reluctan	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	2-5	30-40	30-50	30-40	30-50	5-30	---
Nevada bluegrass	PONE3	2-5	2-5	---	2-5	---	---	---
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
basin wildrye	ELCI2	5-10	2-10	---	2-10	---	---	---
bluebunch wheatgrass	AGSP	50-60	15-30	15-30	15-30	15-30	---	---
bluegrass	POA++	---	---	2-10	---	2-10	5-15	---
arrowleaf balsamroot	BASA3	---	2-5	---	2-5	---	---	---
goldenweed	HAPLO2	---	---	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	2-5	---	2-5	---	---	---
antelope bitterbrush	PUTR2	2-10	5-10	2-5	5-10	2-5	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	15-25	---	15-25	---	---
mountain big sagebrush	ARVA2	5-15	10-20	---	10-20	---	---	---
sagebrush	ARTEM	---	---	---	---	---	30-35	---
Range site number		025XY009NV	025XY012NV	025XY017NV	025XY012NV	025XY017NV	025XY024NV	none
Potential production (lb/acre):								
Favorable years		1300	1400	900	1400	900	400	
Normal years		900	1000	700	1000	700	275	
Unfavorable years		700	700	400	700	400	150	

576--Sumine-Hapgood-Cleavage association, very gravelly

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Hapgood	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	2-5	---	---	---	---	---
Idaho fescue	FEID	2-5	2-10	30-50	5-30	---	2-10	5-15
Letterman needlegrass	STLE4	---	---	---	---	---	2-5	---
Nevada bluegrass	PONE3	2-5	2-5	---	---	5-10	2-5	---
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
basin wildrye	ELCI2	5-10	---	---	---	60-70	5-15	---
bluebunch wheatgrass	AGSP	50-60	2-5	15-30	---	---	30-50	2-10
bluegrass	POA++	---	---	2-10	5-15	---	---	---
mat muhly	MURI	---	---	---	---	2-8	---	---
mountain brome	BRCA5	---	5-15	---	---	---	20-40	---
slender wheatgrass	AGTR	---	5-15	---	---	---	---	---
spike-fescue	LEKI2	---	2-10	---	---	---	2-5	---
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---	---
goldenweed	HAPLO2	---	---	---	2-5	---	---	---
Saskatoon serviceberry	AMAL2	---	---	---	---	---	---	---
Utah serviceberry	AMUT	---	1-5	---	---	---	---	---
antelope bitterbrush	PUTR2	2-10	1-5	2-5	---	---	5-10	2-8
basin big sagebrush	ARTRT	---	---	---	---	5-10	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	1-5	---	---	---	---	---
low sagebrush	ARAR8	---	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	5-15	5-15	---	---	---	5-15	2-5
sagebrush	ARTEM	---	---	---	30-35	---	---	---
serviceberry	AMELA	---	---	---	---	---	---	40-50
snowberry	SYMPH	---	2-15	---	---	---	---	2-8

Range site number	025XY009NV	025XY004NV	025XY017NV	025XY024NV	025XY003NV	025XY016NV	025XY046NV
Potential production (lb/acre):							
Favorable years	1300	2800	900	400	4500	2000	1800
Normal years	900	1800	700	275	3500	1400	1300
Unfavorable years	700	1200	400	150	2000	1000	900

577--Sumine-Hapgood-Chen association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Hapgood	Chen	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	2-5	---	---	---	---	---
Idaho fescue	FEID	2-5	2-10	30-50	30-40	---	5-15	---
Nevada bluegrass	PONE3	2-5	2-5	---	2-5	5-10	---	---
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
basin wildrye	ELCI2	5-10	---	---	2-10	60-70	2-8	---
bluebunch wheatgrass	AGSP	50-60	2-5	15-30	15-30	---	15-25	---
bluegrass	POA++	---	---	2-10	---	---	---	---
mat muhly	MURI	---	---	---	---	2-8	---	---
mountain brome	BRCA5	---	5-15	---	---	---	5-10	---
slender wheatgrass	AGTR	---	5-15	---	---	---	---	---
spike-fescue	LEKI2	---	2-10	---	---	---	---	---
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---	---
arrowleaf balsamroot	BASA3	---	---	---	2-5	---	---	---
tapertip hawksbeard	CRAC2	---	---	---	2-5	---	---	---
Utah serviceberry	AMUT	---	1-5	---	---	---	2-8	---
antelope bitterbrush	PUTR2	2-10	1-5	2-5	5-10	---	2-10	---
basin big sagebrush	ARTRT	---	---	---	---	5-10	---	---
common chokecherry	PRVI	---	1-5	---	---	---	---	---
low sagebrush	ARAR8	---	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	5-15	5-15	---	10-20	---	10-20	---
snowberry	SYMPH	---	2-15	---	---	---	---	---

Range site number	025XY009NV	025XY004NV	025XY017NV	025XY012NV	025XY003NV	025XY042NV	none
Potential production (lb/acre):							
Favorable years	1300	2800	900	1400	4500	700	
Normal years	900	1800	700	1000	3500	500	
Unfavorable years	700	1200	400	700	2000	300	

578--Sumine-Tusel-Hapgood association, very steep

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Tusel	Hapgood	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	2-5	---	---	---	---
Cusick bluegrass	POCU3	---	5-10	---	---	---	---	---
Idaho fescue	FEID	2-5	50-65	2-10	5-30	30-50	---	2-10
Letterman needlegrass	STLE4	---	---	---	---	---	---	2-5
Nevada bluegrass	PONE3	2-5	---	2-5	---	---	5-10	2-5
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	5-10	---
basin wildrye	ELCI2	5-10	---	---	---	---	---	5-15
bluebunch wheatgrass	AGSP	50-60	2-5	2-5	---	15-30	---	30-50
bluegrass	POA++	---	---	---	5-15	2-10	---	---
mountain brome	BRCA5	---	---	5-15	---	---	---	20-40
sedge	CAREX	---	---	---	---	---	5-10	---
slender wheatgrass	AGTR	---	---	5-15	---	---	---	---
spike-fescue	LEKI2	---	---	2-10	---	---	---	2-5
tufted hairgrass	DECE	---	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	---	2-5	---
cinquefoil	POTEN	---	---	---	---	---	2-5	---
goldenweed	HAPLO2	---	---	---	2-5	---	---	---
Utah serviceberry	AMUT	---	---	1-5	---	---	---	---
antelope bitterbrush	PUTR2	2-10	---	1-5	---	2-5	---	5-10
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	---	1-5	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	15-25	---	---
mountain big sagebrush	ARVA2	5-15	2-8	5-15	---	---	---	5-15
sagebrush	ARTEM	---	---	---	30-35	---	---	---
snowberry	SYMPH	---	---	2-15	---	---	---	---
Range site number		025XY009NV	025XY010NV	025XY004NV	025XY024NV	025XY017NV	025XY005NV	025XY016NV
Potential production (lb/acre):								
Favorable years		1300	1200	2800	400	900	3000	2000
Normal years		900	800	1800	275	700	1700	1400
Unfavorable years		700	600	1200	150	400	1000	1000

579--Sumine-Pernty-Tusel association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Pernty	Tusel	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	2-5	---	---	---	---
Idaho fescue	FEID	2-5	5-15	2-10	5-30	---	---	---
Nevada bluegrass	PONE3	2-5	---	2-5	---	---	5-10	5-10
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	5-10	---
basin wildrye	ELCI2	5-10	---	---	---	---	---	60-70
bluebunch wheatgrass	AGSP	50-60	2-10	2-5	---	---	---	---
bluegrass	POA++	---	---	---	5-15	---	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
mountain brome	BRCA5	---	---	5-15	---	---	---	---
sedge	CAREX	---	---	---	---	---	5-10	---
slender wheatgrass	AGTR	---	---	5-15	---	---	---	---
spike-fescue	LEKI2	---	---	2-10	---	---	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
tufted hairgrass	DECE	---	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	---	2-5	---
cinquefoil	POTEN	---	---	---	---	---	2-5	---
goldenweed	HAPLO2	---	---	---	2-5	---	---	---
Saskatoon serviceberry	AMAL2	---	---	---	---	---	---	---
Utah serviceberry	AMUT	---	---	1-5	---	---	---	---
antelope bitterbrush	PUTR2	2-10	2-8	1-5	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	---	1-5	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	2-5	5-15	---	---	---	---
sagebrush	ARTEM	---	---	---	30-35	---	---	---
serviceberry	AMELA	---	40-50	---	---	---	---	---
snowberry	SYMPH	---	2-8	2-15	---	---	---	---

Range site number	025XY009NV	025XY046NV	025XY004NV	025XY024NV	none	025XY005NV	025XY003NV
Potential production (lb/acre):							
Favorable years	1300	1800	2800	400		3000	4500
Normal years	900	1300	1800	275		1700	3500
Unfavorable years	700	900	1200	150		1000	2000

580--Sumine-Pie Creek-Reluctan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Sumine	Pie Creek	Reluctan	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	2-5	---	30-40	30-40	---	30-50
Nevada bluegrass	PONE3	2-5	---	2-5	2-5	40-60	---
Sandberg bluegrass	POSE	---	2-8	---	---	---	---
Thurber needlegrass	STTH2	2-8	15-30	---	---	---	---
Webber ricegrass	STWE	---	2-8	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	20-40	---
basin wildrye	ELCI2	5-10	---	2-10	2-10	2-8	---
bluebunch wheatgrass	AGSP	50-60	20-40	15-30	15-30	---	15-30
bluegrass	POA++	---	---	---	---	---	2-10
mat muhly	MURI	---	---	---	---	2-8	---
meadow barley	HOBR2	---	---	---	---	2-5	---
sedge	CAREX	---	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	2-5	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	2-5	---	---
antelope bitterbrush	PUTR2	2-10	---	5-10	5-10	---	2-5
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	15-25
mountain big sagebrush	ARVA2	5-15	---	10-20	10-20	---	---
sagebrush	ARTEM	---	20-30	---	---	---	---
Range site number		025XY009NV	025XY018NV	025XY012NV	025XY012NV	025XY006NV	025XY017NV
Potential production (lb/acre):							
Favorable years		1300	800	1400	1400	2000	900
Normal years		900	600	1000	1000	1300	700
Unfavorable years		700	400	700	700	800	400

581--Sumine-Hapgood-Cleavage association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Hapgood	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	2-5	---	2-5	---	---	---
Idaho fescue	FEID	2-5	2-10	5-30	2-10	---	20-30	30-40
Nevada bluegrass	PONE3	2-5	2-5	---	2-5	40-60	---	2-5
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	20-40	---	---
basin wildrye	ELCI2	5-10	---	---	---	2-8	40-60	2-10
big bluegrass	POAM	---	---	---	---	---	2-8	---
bluebunch wheatgrass	AGSP	50-60	2-5	---	2-5	---	---	15-30
bluegrass	POA++	---	---	5-15	---	---	---	---
mat muhly	MURI	---	---	---	---	2-8	---	---
meadow barley	HOBR2	---	---	---	---	2-5	---	---
mountain brome	BRCA5	---	5-15	---	5-15	---	2-10	---
sedge	CAREX	---	---	---	---	2-8	---	---
slender wheatgrass	AGTR	---	5-15	---	5-15	---	---	---
spike-fescue	LEKI2	---	2-10	---	2-10	---	---	---
arrowleaf balsamroot	BASA3	---	---	---	---	---	---	2-5
goldenweed	HAPLO2	---	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	---	---	---	---	2-5
Utah serviceberry	AMUT	---	1-5	---	1-5	---	---	---
antelope bitterbrush	PUTR2	2-10	1-5	---	1-5	---	---	5-10
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	1-5	---	1-5	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	5-15	---	5-15	---	2-5	10-20
sagebrush	ARTEM	---	---	30-35	---	---	---	---
snowberry	SYMPH	---	2-15	---	2-15	---	---	---

Range site number	025XY009NV	025XY004NV	025XY024NV	025XY004NV	025XY006NV	025XY029NV	025XY012NV
Potential production (lb/acre):							
Favorable years	1300	2800	400	2800	2000	2000	1400
Normal years	900	1800	275	1800	1300	1700	1000
Unfavorable years	700	1200	150	1200	800	1300	700

582--Sumine-Tusel-Cleavage association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Tusel	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	2-5	---	---	---	---	---
Idaho fescue	FEID	2-5	2-10	30-50	30-40	2-10	5-30	---
Letterman needlegrass	STLE4	---	---	---	---	2-5	---	---
Nevada bluegrass	PONE3	2-5	2-5	---	2-5	2-5	---	5-10
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
basin wildrye	ELCI2	5-10	---	---	2-10	5-15	---	60-70
bluebunch wheatgrass	AGSP	50-60	2-5	15-30	15-30	30-50	---	---
bluegrass	POA++	---	---	2-10	---	---	5-15	---
mat muhly	MURI	---	---	---	---	---	---	2-8
mountain brome	BRCA5	---	5-15	---	---	20-40	---	---
slender wheatgrass	AGTR	---	5-15	---	---	---	---	---
spike-fescue	LEKI2	---	2-10	---	---	2-5	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
arrowleaf balsamroot	BASA3	---	---	---	2-5	---	---	---
goldenweed	HAPLO2	---	---	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	---	---	2-5	---	---	---
Utah serviceberry	AMUT	---	1-5	---	---	---	---	---
antelope bitterbrush	PUTR2	2-10	1-5	2-5	5-10	5-10	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	1-5	---	---	---	---	---
low sagebrush	ARAR8	---	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	5-15	5-15	---	10-20	5-15	---	---
sagebrush	ARTEM	---	---	---	---	---	30-35	---
snowberry	SYMPH	---	2-15	---	---	---	---	---

Range site number	025XY009NV	025XY004NV	025XY017NV	025XY012NV	025XY016NV	025XY024NV	025XY003NV
Potential production (lb/acre):							
Favorable years	1300	2800	900	1400	2000	400	4500
Normal years	900	1800	700	1000	1400	275	3500
Unfavorable years	700	1200	400	700	1000	150	2000

583--Sumine-Hapgood-Pernty association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Hapgood	Pernty	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	2-5	---	---	---	---	2-5
Idaho fescue	FEID	2-5	2-10	30-40	---	2-5	2-10	2-10
Indian ricegrass	ORHY	---	---	---	X	---	---	---
Letterman needlegrass	STLE4	---	---	---	---	---	2-5	---
Nevada bluegrass	PONE3	2-5	2-5	2-5	---	2-5	2-5	2-5
Sandberg bluegrass	POSE	---	---	---	X	---	---	---
Thurber needlegrass	STTH2	2-8	---	---	X	2-8	---	---
basin wildrye	ELCI2	5-10	---	2-10	---	5-10	5-15	---
bluebunch wheatgrass	AGSP	50-60	2-5	15-30	X	50-60	30-50	2-5
bottlebrush squirreltail	SIHY	---	---	---	X	---	---	---
milkvetch	ASTRA	---	---	---	X	---	---	---
mountain brome	BRCA5	---	5-15	---	---	---	20-40	5-15
phlox	PHLOX	---	---	---	X	---	---	---
slender wheatgrass	AGTR	---	5-15	---	---	---	---	5-15
spike-fescue	LEKI2	---	2-10	---	---	---	2-5	2-10
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---	---
Utah serviceberry	AMUT	---	1-5	---	---	---	---	1-5
Wyoming big sagebrush	ARTRW	---	---	---	X	---	---	---
antelope bitterbrush	PUTR2	2-10	1-5	5-10	X	2-10	5-10	1-5
common chokecherry	PRVI	---	1-5	---	---	---	---	1-5
mountain big sagebrush	ARVA2	5-15	5-15	10-20	---	5-15	5-15	5-15
snowberry	SYMPH	---	2-15	---	---	---	---	2-15
Utah juniper	JUOS	---	---	---	X	---	---	---
Range site number		025XY009NV	025XY004NV	025XY012NV	025XY059NV	025XY009NV	025XY016NV	025XY004NV
Potential production (lb/acre):								
Favorable years		1300	2800	1400	500	1300	2000	2800
Normal years		900	1800	1000	350	900	1400	1800
Unfavorable years		700	1200	700	200	700	1000	1200

584--Sumine-Tusel-Hapgood association, steep

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Tusel	Hapgood	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	2-5	2-5	---	---	---	---
Idaho fescue	FEID	2-5	2-10	2-10	30-40	2-10	---	---
Letterman needlegrass	STLE4	---	---	---	---	2-5	---	---
Nevada bluegrass	PONE3	2-5	2-5	2-5	2-5	2-5	5-10	---
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	5-15
basin wildrye	ELCI2	5-10	---	---	2-10	5-15	60-70	2-5
bluebunch wheatgrass	AGSP	50-60	2-5	2-5	15-30	30-50	---	60-80
mat muhly	MURI	---	---	---	---	---	2-8	---
mountain brome	BRCA5	---	5-15	5-15	---	20-40	---	---
slender wheatgrass	AGTR	---	5-15	5-15	---	---	---	---
spike-fescue	LEKI2	---	2-10	2-10	---	2-5	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	---	2-5	---	---	---
tapertip hawksbeard	CRAC2	---	---	---	2-5	---	---	---
Utah serviceberry	AMUT	---	1-5	1-5	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	5-15
antelope bitterbrush	PUTR2	2-10	1-5	1-5	5-10	5-10	---	1-5
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
common chokecherry	PRVI	---	1-5	1-5	---	---	---	---
mountain big sagebrush	ARVA2	5-15	5-15	5-15	10-20	5-15	---	---
snowberry	SYMPH	---	2-15	2-15	---	---	---	---
Range site number		025XY009NV	025XY004NV	025XY004NV	025XY012NV	025XY016NV	025XY003NV	025XY015NV
Potential production (lb/acre):								
Favorable years		1300	2800	2800	1400	2000	4500	1000
Normal years		900	1800	1800	1000	1400	3500	700
Unfavorable years		700	1200	1200	700	1000	2000	500

585--Sumine-Rock outcrop-Rubble land association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Rock outcrop	Rubble land	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	2-5	---	---	---	X	30-40	X
Nevada bluegrass	PONE3	2-5	---	---	---	X	2-5	---
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
basin wildrye	ELCI2	5-10	---	---	---	---	2-10	---
bluebunch wheatgrass	AGSP	50-60	---	---	---	---	15-30	---
horsemint giant hyssop	AGUR	---	---	---	---	---	---	X
mountain brome	BRCA5	---	---	---	---	X	---	X
sedge	CAREX	---	---	---	---	X	---	---
slender wheatgrass	AGTR	---	---	---	---	X	---	X
arrowleaf balsamroot	BASA3	---	---	---	---	---	2-5	---
groundsel	SENEC	---	---	---	---	X	---	X
tapertip hawksbeard	CRAC2	---	---	---	---	---	2-5	---
yarrow	ACHIL	---	---	---	---	X	---	---
Utah serviceberry	AMUT	---	---	---	---	---	---	X
Woods rose	ROWO	---	---	---	---	X	---	---
antelope bitterbrush	PUTR2	2-10	---	---	---	---	5-10	---
mountain big sagebrush	ARVA2	5-15	---	---	---	---	10-20	---
snowberry	SYMPH	---	---	---	---	---	---	X
snowbrush ceanothus	CEVE	---	---	---	70-80	---	---	---
quaking aspen	POTRT	---	---	---	---	X	---	X
Range site number		025XY009NV	none	none	025XY052NV	025XY064NV	025XY012NV	025XY065NV
Potential production (lb/acre):								
Favorable years		1300			2800	1600	1400	800
Normal years		900			2000	1300	1000	600
Unfavorable years		700			1700	1000	700	400

586--Sumine-Loncan-Cleavage association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Sumine	Loncan	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	2-5	30-40	5-30	30-40	30-50	---	---
Nevada bluegrass	PONE3	2-5	2-5	---	2-5	---	---	40-60
Thurber needlegrass	STTH2	2-8	---	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	20-40
basin wildrye	ELCI2	5-10	2-10	---	2-10	---	---	2-8
bluebunch wheatgrass	AGSP	50-60	15-30	---	15-30	15-30	---	---
bluegrass	POA++	---	---	5-15	---	2-10	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
meadow barley	HOBR2	---	---	---	---	---	---	2-5
sedge	CAREX	---	---	---	---	---	---	2-8
arrowleaf balsamroot	BASA3	---	2-5	---	2-5	---	---	---
goldenweed	HAPLO2	---	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	2-5	---	---	---
antelope bitterbrush	PUTR2	2-10	5-10	---	5-10	2-5	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	15-25	---	---
mountain big sagebrush	ARVA2	5-15	10-20	---	10-20	---	---	---
sagebrush	ARTEM	---	---	30-35	---	---	---	---
Range site number		025XY009NV	025XY012NV	025XY024NV	025XY012NV	025XY017NV	none	025XY006NV
Potential production (lb/acre):								
Favorable years		1300	1400	400	1400	900		2000
Normal years		900	1000	275	1000	700		1300
Unfavorable years		700	700	150	700	400		800

600--Hapgood-Bullump-Gando association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Hapgood	Bullump	Gando	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	2-5	---	---	---	---	2-8	---
Idaho fescue	FEID	2-10	2-10	5-30	X	---	---	X
Letterman needlegrass	STLE4	---	2-5	---	---	---	2-5	---
Nevada bluegrass	PONE3	2-5	2-5	---	---	5-10	---	X
alpine timothy	PHAL2	---	---	---	---	5-10	---	---
basin wildrye	ELCI2	---	5-15	---	---	---	---	---
bluebunch wheatgrass	AGSP	2-5	30-50	---	---	---	---	---
bluegrass	POA++	---	---	5-15	---	---	---	---
horsemint giant hyssop	AGUR	---	---	---	X	---	---	---
mountain brome	BRCA5	5-15	20-40	---	X	---	5-10	X
sedge	CAREX	---	---	---	---	5-10	---	X
slender wheatgrass	AGTR	5-15	---	---	X	---	5-10	X
spike-fescue	LEKI2	2-10	2-5	---	---	---	---	---
tufted hairgrass	DECE	---	---	---	---	30-60	---	---
Sierra clover	TRWO	---	---	---	---	2-5	---	---
cinquefoil	POTEN	---	---	---	---	2-5	---	---
goldenweed	HAPLO2	---	---	2-5	---	---	---	---
groundsel	SENEC	---	---	---	X	---	---	X
yarrow	ACHIL	---	---	---	---	---	---	X
Utah serviceberry	AMUT	1-5	---	---	X	---	---	---
Woods rose	ROWO	---	---	---	---	---	---	X
antelope bitterbrush	PUTR2	1-5	5-10	---	---	---	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	1-5	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	5-15	---	---	---	---	---
quaking aspen	POTR5	---	---	---	---	---	50-60	---
sagebrush	ARTEM	---	---	30-35	---	---	---	---
snowberry	SYMPH	2-15	---	---	X	---	---	---
willow	SALIX	---	---	---	---	---	1-8	---
quaking aspen	POTRT	---	---	---	X	---	---	X

Range site number	025XY004NV	025XY016NV	025XY024NV	025XY065NV	025XY005NV	025XY002NV	025XY064NV
Potential production (lb/acre):							
Favorable years	2800	2000	400	800	3000	1800	1600
Normal years	1800	1400	275	600	1700	1300	1300
Unfavorable years	1200	1000	150	400	1000	900	1000

601--Hapgood-Blitzen-Tusel association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Hapgood	Blitzen	Tusel	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	2-5	---	---	---	---	---	---
Cusick bluegrass	POCU3	---	---	5-10	---	---	---	---
Idaho fescue	FEID	2-10	2-5	50-65	30-40	30-50	---	---
Nevada bluegrass	PONE3	2-5	2-5	---	2-5	---	5-10	40-60
Thurber needlegrass	STTH2	---	2-8	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	20-40
basin wildrye	ELCI2	---	5-10	---	2-10	---	60-70	2-8
bluebunch wheatgrass	AGSP	2-5	50-60	2-5	15-30	15-30	---	---
bluegrass	POA++	---	---	---	---	2-10	---	---
mat muhly	MURI	---	---	---	---	---	2-8	2-8
meadow barley	HOBR2	---	---	---	---	---	---	2-5
mountain brome	BRCA5	5-15	---	---	---	---	---	---
sedge	CAREX	---	---	---	---	---	---	2-8
slender wheatgrass	AGTR	5-15	---	---	---	---	---	---
spike-fescue	LEKI2	2-10	---	---	---	---	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	---	2-5	---	---	---
tapertip hawksbeard	CRAC2	---	---	---	2-5	---	---	---
Utah serviceberry	AMUT	1-5	---	---	---	---	---	---
antelope bitterbrush	PUTR2	1-5	2-10	---	5-10	2-5	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
common chokecherry	PRVI	1-5	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	15-25	---	---
mountain big sagebrush	ARVA2	5-15	5-15	2-8	10-20	---	---	---
snowberry	SYMPH	2-15	---	---	---	---	---	---

Range site number	025XY004NV	025XY009NV	025XY010NV	025XY012NV	025XY017NV	025XY003NV	025XY006NV
Potential production (lb/acre):							
Favorable years	2800	1300	1200	1400	900	4500	2000
Normal years	1800	900	800	1000	700	3500	1300
Unfavorable years	1200	700	600	700	400	2000	800

602--Hapgood-Hackwood-Tusel association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Hapgood	Hackwood	Tusel	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	2-5	---	---	2-8	---	---	---
Cusick bluegrass	POCU3	---	---	5-10	---	---	---	---
Idaho fescue	FEID	2-10	X	50-65	---	X	---	30-50
Letterman needlegrass	STLE4	---	---	---	2-5	---	---	---
Nevada bluegrass	PONE3	2-5	---	---	---	X	---	---
bluebunch wheatgrass	AGSP	2-5	---	2-5	---	---	---	15-30
bluegrass	POA++	---	---	---	---	---	---	2-10
horsemint giant hyssop	AGUR	---	X	---	---	---	---	---
mountain brome	BRCA5	5-15	X	---	5-10	X	---	---
sedge	CAREX	---	---	---	---	X	---	---
slender wheatgrass	AGTR	5-15	X	---	5-10	X	---	---
spike-fescue	LEKI2	2-10	---	---	---	---	---	---
groundsel	SENEC	---	X	---	---	X	---	---
yarrow	ACHIL	---	---	---	---	X	---	---
Utah serviceberry	AMUT	1-5	X	---	---	---	---	---
Woods rose	ROWO	---	---	---	---	X	---	---
antelope bitterbrush	PUTR2	1-5	---	---	---	---	---	2-5
common chokecherry	PRVI	1-5	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	15-25
mountain big sagebrush	ARVA2	5-15	---	2-8	---	---	---	---
quaking aspen	POTR5	---	---	---	50-60	---	---	---
snowberry	SYMPH	2-15	X	---	---	---	---	---
willow	SALIX	---	---	---	1-8	---	---	---
quaking aspen	POTRT	---	X	---	---	X	---	---

Range site number	025XY004NV	025XY065NV	025XY010NV	025XY002NV	025XY064NV	none	025XY017NV
Potential production (lb/acre):							
Favorable years	2800	800	1200	1800	1600		900
Normal years	1800	600	800	1300	1300		700
Unfavorable years	1200	400	600	900	1000		400

623--Soughe-Rock outcrop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Soughe	Rock outcrop	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---
Indian ricegrass	ORHY	---	---	---	---	---	5-15
Nevada bluegrass	PONE3	---	---	---	---	5-10	---
Sandberg bluegrass	POSE	2-5	---	---	---	---	---
Thurber needlegrass	STTH2	15-25	---	10-20	5-15	---	---
basin wildrye	ELCI2	---	---	2-8	2-5	60-70	---
bluebunch wheatgrass	AGSP	25-40	---	20-35	60-80	---	---
bluegrass	POA++	---	---	2-10	---	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	---	5-10
mat muhly	MURI	---	---	---	---	2-8	---
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---
Wyoming big sagebrush	ARTRW	15-25	---	---	5-15	---	---
antelope bitterbrush	PUTR2	---	---	2-8	1-5	---	---
basin big sagebrush	ARTRT	---	---	---	---	5-10	---
big sagebrush	ARTR2	---	---	10-20	---	---	---
bud sagebrush	ARSP5	---	---	---	---	---	20-30
mountain big sagebrush	ARVA2	---	---	---	---	---	---
shadscale	ATCO	---	---	---	---	---	30-40
spiny hopsage	GRSP	---	---	---	---	---	2-5
winterfat	EULA5	---	---	---	---	---	2-5
Range site number		025XY019NV	none	025XY014NV	025XY015NV	025XY003NV	024XY002NV
Potential production (lb/acre):							
Favorable years		800		1000	1000	4500	750
Normal years		600		800	700	3500	450
Unfavorable years		400		600	500	2000	300

624--Soughe-Soughe, very steep-Rock outcrop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Soughe	Soughe	Rock outcrop	Inclusion 1	Inclusion 2
Sandberg bluegrass	POSE	---	---	---	---	2-5
Thurber needlegrass	STTH2	5-15	5-15	---	---	15-25
basin wildrye	ELCI2	2-5	2-5	---	---	---
bluebunch wheatgrass	AGSP	60-80	60-80	---	---	25-40
Wyoming big sagebrush	ARTRW	5-15	5-15	---	---	15-25
antelope bitterbrush	PUTR2	1-5	1-5	---	---	---
Range site number		025XY015NV	025XY015NV	none	none	025XY019NV
Potential production (lb/acre):						
Favorable years		1000	1000			800
Normal years		700	700			600
Unfavorable years		500	500			400

625--Soughe-Alyan-Shalper association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Soughe	Alyan	Shalper	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	30-50	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	---	---	---	---	---	2-10	---
Thurber needlegrass	STTH2	5-15	10-20	15-25	---	---	10-20	---
Webber ricegrass	STWE	---	---	---	---	---	5-10	---
basin wildrye	ELCI2	2-5	2-8	---	---	---	---	60-70
bluebunch wheatgrass	AGSP	60-80	20-35	20-35	15-30	---	20-30	---
bluegrass	POA++	---	2-10	---	2-10	---	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
balsamroot	BALSA	---	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	5-15	---	20-30	---	---	---	---
antelope bitterbrush	PUTR2	1-5	2-8	2-5	2-5	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
big sagebrush	ARTR2	---	10-20	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	15-25	---	25-35	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
Range site number		025XY015NV	025XY014NV	025XY021NV	025XY017NV	none	025XY022NV	025XY003NV
Potential production (lb/acre):								
Favorable years		1000	1000	600	900		600	4500
Normal years		700	800	400	700		400	3500
Unfavorable years		500	600	250	400		250	2000

626--Soughe, cobbly-Vanwyper-Soughe association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Soughe	Vanwyper	Soughe	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	---	---	---	---	5-15	---
Nevada bluegrass	PONE3	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-5	---	2-5	---	2-8	---
Thurber needlegrass	STTH2	15-25	5-15	15-25	40-50	15-25	---
basin wildrye	ELCI2	---	2-5	---	---	---	60-70
bluebunch wheatgrass	AGSP	25-40	60-80	25-40	2-10	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	2-5	---
mat muhly	MURI	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8
globemallow	SPHAE	---	---	---	1-3	1-2	---
Wyoming big sagebrush	ARTRW	15-25	5-15	15-25	25-35	20-35	---
antelope bitterbrush	PUTR2	---	1-5	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10
spiny hopsage	GRSP	---	---	---	2-5	5-20	---
Range site number		025XY019NV	025XY015NV	025XY019NV	024XY005NV	024XY020NV	025XY003NV
Potential production (lb/acre):							
Favorable years		800	1000	800	800	700	4500
Normal years		600	700	600	600	450	3500
Unfavorable years		400	500	400	400	300	2000

690--Welch, drained-Welch association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Welch	Welch	Inclusion 1	Inclusion 2	Inclusion 3
Nevada bluegrass	PONE3	5-10	5-10	5-10	40-60	5-10
alpine timothy	PHAL2	---	5-10	---	20-40	---
basin wildrye	ELCI2	60-70	---	60-70	2-8	60-70
mat muhly	MURI	2-8	---	2-8	2-8	2-8
meadow barley	HOBR2	---	---	---	2-5	---
sedge	CAREX	---	5-10	---	2-8	---
streambank wheatgrass	AGDAR	2-8	---	2-8	---	2-8
tufted hairgrass	DECE	---	30-60	---	---	---
Sierra clover	TRWO	---	2-5	---	---	---
cinquefoil	POTEN	---	2-5	---	---	---
basin big sagebrush	ARTRT	5-10	---	5-10	---	5-10
Range site number		025XY003NV	025XY005NV	025XY003NV	025XY006NV	025XY003NV
Potential production (lb/acre):						
Favorable years		4500	3000	4500	2000	4500
Normal years		3500	1700	3500	1300	3500
Unfavorable years		2000	1000	2000	800	2000

920--Bullump-Gando-Tusel association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bullump	Gando	Tusel	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	---	---	2-8	---
Cusick bluegrass	POCU3	---	---	5-10	---	---	---	---
Idaho fescue	FEID	2-10	5-30	50-65	X	---	---	---
Letterman needlegrass	STLE4	2-5	---	---	---	---	2-5	---
Nevada bluegrass	PONE3	2-5	---	---	---	---	---	5-10
basin wildrye	ELCI2	5-15	---	---	---	---	---	60-70
bluebunch wheatgrass	AGSP	30-50	---	2-5	---	---	---	---
bluegrass	POA++	---	5-15	---	---	---	---	---
horsemint giant hyssop	AGUR	---	---	---	X	---	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
mountain brome	BRCA5	20-40	---	---	X	---	5-10	---
slender wheatgrass	AGTR	---	---	---	X	---	5-10	---
spike-fescue	LEKI2	2-5	---	---	---	---	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
goldenweed	HAPLO2	---	2-5	---	---	---	---	---
groundsel	SENEC	---	---	---	X	---	---	---
Utah serviceberry	AMUT	---	---	---	X	---	---	---
antelope bitterbrush	PUTR2	5-10	---	---	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
black sagebrush	ARARN	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	---	2-8	---	---	---	---
quaking aspen	POTR5	---	---	---	---	---	50-60	---
sagebrush	ARTEM	---	30-35	---	---	---	---	---
snowberry	SYMPH	---	---	---	X	---	---	---
willow	SALIX	---	---	---	---	---	1-8	---
quaking aspen	POTRT	---	---	---	X	---	---	---
Range site number		025XY016NV	025XY024NV	025XY010NV	025XY065NV	none	025XY002NV	025XY003NV
Potential production (lb/acre):								
Favorable years		2000	400	1200	800		1800	4500
Normal years		1400	275	800	600		1300	3500
Unfavorable years		1000	150	600	400		900	2000

921--Bullump-Hackwood-Cleavage association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bullump	Hackwood	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	2-5	2-5	2-8	---
Idaho fescue	FEID	2-10	X	5-30	2-10	2-10	---	---
Letterman needlegrass	STLE4	2-5	---	---	---	---	2-5	40-60
Nevada bluegrass	PONE3	2-5	---	---	2-5	2-5	---	---
basin wildrye	ELCI2	5-15	---	---	---	---	---	---
bluebunch wheatgrass	AGSP	30-50	---	---	2-5	2-5	---	---
bluegrass	POA++	---	---	5-15	---	---	---	---
horsemint giant hyssop	AGUR	---	X	---	---	---	---	---
mountain brome	BRCA5	20-40	X	---	5-15	5-15	5-10	---
slender wheatgrass	AGTR	---	X	---	5-15	5-15	5-10	---
spike-fescue	LEKI2	2-5	---	---	2-10	2-10	---	---
goldenweed	HAPLO2	---	---	2-5	---	---	---	---
groundsel	SENEC	---	X	---	---	---	---	---
tailcup lupine	LUCA	---	---	---	---	---	---	20-40
Utah serviceberry	AMUT	---	X	---	1-5	1-5	---	---
antelope bitterbrush	PUTR2	5-10	---	---	1-5	1-5	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	---	---	1-5	1-5	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	---	---	5-15	5-15	---	---
quaking aspen	POTR5	---	---	---	---	---	50-60	---
sagebrush	ARTEM	---	---	30-35	---	---	---	---
snowberry	SYMPH	---	X	---	2-15	2-15	---	---
willow	SALIX	---	---	---	---	---	1-8	---
quaking aspen	POTRT	---	X	---	---	---	---	---
Range site number		025XY016NV	025XY065NV	025XY024NV	025XY004NV	025XY004NV	025XY002NV	025XY028NV
Potential production (lb/acre):								
Favorable years		2000	800	400	2800	2800	1800	1700
Normal years		1400	600	275	1800	1800	1300	1400
Unfavorable years		1000	400	150	1200	1200	900	1100

922--Bullump-Cleavage-Hapgood association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bullump	Cleavage	Hapgood	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	2-5	2-8	2-5	---	---
Cusick bluegrass	POCU3	---	---	---	---	---	---	5-15
Idaho fescue	FEID	2-10	5-30	2-10	---	2-10	X	30-60
Letterman needlegrass	STLE4	2-5	---	---	2-5	---	---	---
Nevada bluegrass	PONE3	2-5	---	2-5	---	2-5	---	---
basin wildrye	ELCI2	5-15	---	---	---	---	---	---
bluebunch wheatgrass	AGSP	30-50	---	2-5	---	2-5	---	2-10
bluegrass	POA++	---	5-15	---	---	---	---	---
horsemint giant hyssop	AGUR	---	---	---	---	---	X	---
mountain brome	BRCA5	20-40	---	5-15	5-10	5-15	X	---
slender wheatgrass	AGTR	---	---	5-15	5-10	5-15	X	---
spike-fescue	LEKI2	2-5	---	2-10	---	2-10	---	---
goldenweed	HAPLO2	---	2-5	---	---	---	---	---
groundsel	SENEC	---	---	---	---	---	X	---
tapertip hawksbeard	CRAC2	---	---	---	---	---	---	2-5
Utah serviceberry	AMUT	---	---	1-5	---	1-5	X	---
antelope bitterbrush	PUTR2	5-10	---	1-5	---	1-5	---	---
black sagebrush	ARARN	---	---	---	---	---	---	25-35
common chokecherry	PRVI	---	---	1-5	---	1-5	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	---	5-15	---	5-15	---	---
quaking aspen	POTR5	---	---	---	50-60	---	---	---
sagebrush	ARTEM	---	30-35	---	---	---	---	---
snowberry	SYMPH	---	---	2-15	---	2-15	X	---
willow	SALIX	---	---	---	1-8	---	---	---
quaking aspen	POTRT	---	---	---	---	---	X	---

Range site number	025XY016NV	025XY024NV	025XY004NV	025XY002NV	025XY004NV	025XY065NV	024XY042NV
Potential production (lb/acre):							
Favorable years	2000	400	2800	1800	2800	800	1000
Normal years	1400	275	1800	1300	1800	600	800
Unfavorable years	1000	150	1200	900	1200	400	500

1130--Clementine silt loam, drained, 0 to 2 percent slopes

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		Clementine	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	5-10	---	---
Sandberg bluegrass	POSE	---	2-5	2-5
Thurber needlegrass	STTH2	---	15-25	15-25
basin wildrye	ELCI2	60-70	---	---
bluebunch wheatgrass	AGSP	---	25-40	25-40
mat muhly	MURI	2-8	---	---
streambank wheatgrass	AGDAR	2-8	---	---
Wyoming big sagebrush	ARTRW	---	15-25	15-25
basin big sagebrush	ARTRT	5-10	---	---
Range site number		025XY003NV	025XY019NV	025XY019NV
Potential production (lb/acre):				
Favorable years		4500	800	800
Normal years		3500	600	600
Unfavorable years		2000	400	400

1131--Clementine, drained-Clementine, gently sloping-Clementine association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Clementine	Clementine	Clementine	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	5-10	5-10	5-10	---	5-15
Sandberg bluegrass	POSE	---	---	---	2-5	---
Thurber needlegrass	STTH2	---	---	---	15-25	---
alpine timothy	PHAL2	---	---	5-10	---	---
basin wildrye	ELCI2	60-70	60-70	---	---	---
bluebunch wheatgrass	AGSP	---	---	---	25-40	---
creeping wildrye	ELTR3	---	---	---	---	---
inland saltgrass	DISPS2	---	---	---	---	2-5
mat muhly	MURI	2-8	2-8	---	---	2-5
sedge	CAREX	---	---	5-10	---	2-10
streambank wheatgrass	AGDAR	2-8	2-8	---	---	---
tufted hairgrass	DECE	---	---	30-60	---	---
wildrye	ELYMU	---	---	---	---	60-80
Sierra clover	TRWO	---	---	2-5	---	---
cinquefoil	POTEN	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW	---	---	---	15-25	---
basin big sagebrush	ARTRT	5-10	5-10	---	---	---
willow	SALIX	---	---	---	---	5-10
Range site number		025XY003NV	025XY003NV	025XY005NV	025XY019NV	025XY001NV
Potential production (lb/acre):						
Favorable years		4500	4500	3000	800	3500
Normal years		3500	3500	1700	600	2500
Unfavorable years		2000	2000	1000	400	1800

1135--Clementine-Clurde association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Clementine	Clurde	Inclusion 1	Inclusion 2	Inclusion 3
Nevada bluegrass	PONE3	5-10	---	---	---	5-10
Sandberg bluegrass	POSE	---	2-5	2-5	---	---
Thurber needlegrass	STTH2	---	15-25	15-25	---	---
basin wildrye	ELCI2	60-70	---	---	55-65	60-70
bluebunch wheatgrass	AGSP	---	25-40	25-40	---	---
creeping wildrye	ELTR3	---	---	---	5-15	---
mat muhly	MURI	2-8	---	---	---	2-8
streambank wheatgrass	AGDAR	2-8	---	---	---	2-8
western wheatgrass	AGSM	---	---	---	5-15	---
Wyoming big sagebrush	ARTRW	---	15-25	15-25	---	---
basin big sagebrush	ARTRT	5-10	---	---	10-15	5-10
black greasewood	SAVE4	---	---	---	2-8	---
Range site number		025XY003NV	025XY019NV	025XY019NV	024XY006NV	025XY003NV
Potential production (lb/acre):						
Favorable years		4500	800	800	1500	4500
Normal years		3500	600	600	1100	3500
Unfavorable years		2000	400	400	600	2000

1150--Clurde-Wieland association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Clurde	Wieland	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	10-20	15-25	---
alpine timothy	PHAL2	---	---	---	---	---	5-10
basin wildrye	ELCI2	---	---	---	2-8	---	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	20-35	25-40	---
bluegrass	POA++	---	---	---	2-10	---	---
sedge	CAREX	---	---	---	---	---	5-10
tufted hairgrass	DECE	---	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	---	2-5
cinquefoil	POTEN	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---	15-25	---
antelope bitterbrush	PUTR2	---	---	---	2-8	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	10-20	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY014NV	025XY019NV	025XY005NV
Potential production (lb/acre):							
Favorable years		800	800	800	1000	800	3000
Normal years		600	600	600	800	600	1700
Unfavorable years		400	400	400	600	400	1000

1155--Clurde very fine sandy loam, 0 to 2 percent slopes

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Clurde	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	---	15-25
basin wildrye	ELCI2	---	---	---	55-65	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	---	25-40
creeping wildrye	ELTR3	---	---	---	5-15	---
western wheatgrass	AGSM	---	---	---	5-15	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---	15-25
basin big sagebrush	ARTRT	---	---	---	10-15	---
black greasewood	SAVE4	---	---	---	2-8	---
Range site number		025XY019NV	025XY019NV	025XY019NV	024XY006NV	025XY019NV
Potential production (lb/acre):						
Favorable years		800	800	800	1500	800
Normal years		600	600	600	1100	600
Unfavorable years		400	400	400	600	400

1156--Clurde-Kortty association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Clurde	Kortty	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	---	5-15	---	---	---	5-15
Sandberg bluegrass	POSE	2-5	---	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	---	15-25	15-25	15-25	---
bluebunch wheatgrass	AGSP	25-40	---	25-40	25-40	25-40	---
bottlebrush squirreltail	SIHY	---	5-10	---	---	---	5-10
Wyoming big sagebrush	ARTRW	15-25	---	15-25	15-25	15-25	---
bud sagebrush	ARSP5	---	20-30	---	---	---	20-30
shadscale	ATCO	---	30-40	---	---	---	30-40
spiny hopsage	GRSP	---	2-5	---	---	---	2-5
winterfat	EULA5	---	2-5	---	---	---	2-5
Range site number		025XY019NV	024XY002NV	025XY019NV	025XY019NV	025XY019NV	024XY002NV
Potential production (lb/acre):							
Favorable years		800	750	800	800	800	750
Normal years		600	450	600	600	600	450
Unfavorable years		400	300	400	400	400	300

1157--Clurde-Zevadez-Chiara association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Clurde	Zevadez	Chiara	Inclusion 1	Inclusion 2
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	2-10
Webber ricegrass	STWE	---	---	---	---	2-5
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	70-80
sedge	CAREX	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY050NV
Potential production (lb/acre):						
Favorable years		800	800	800	800	800
Normal years		600	600	600	600	600
Unfavorable years		400	400	400	400	400

1190--Cherry Spring-Enko association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		CHERRY SPRIN	Enko	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	---	---	---	5-10
Sandberg bluegrass	POSE	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	---
basin wildrye	ELCI2	---	---	---	60-70
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	---
mat muhly	MURI	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	2-8
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---
basin big sagebrush	ARTRT	---	---	---	5-10
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY003NV
Potential production (lb/acre):					
Favorable years		800	800	800	4500
Normal years		600	600	600	3500
Unfavorable years		400	400	400	2000

1191--Cherry Spring-Wieland association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		CHERRY SPRIN	Wieland	Inclusion 1	Inclusion 2
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):					
Favorable years		800	800	800	800
Normal years		600	600	600	600
Unfavorable years		400	400	400	400

1193--Cherry Spring-Hunnton-Chiara association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		CHERRY SPRIN	Hunnton	Chiara	Inclusion 1
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):					
Favorable years		800	800	800	800
Normal years		600	600	600	600
Unfavorable years		400	400	400	400

1210--Skull Creek-Shabliss-Puett association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Skull Creek	Shabliss	Puett	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	---	---	15-30	---	---	---	30-40
Nevada bluegrass	PONE3	---	---	---	---	5-10	---	---
Sandberg bluegrass	POSE	2-5	2-5	---	---	---	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	---	---	---	15-25	---
basin wildrye	ELCI2	---	---	2-8	---	60-70	---	2-8
bluebunch wheatgrass	AGSP	25-40	25-40	---	---	---	25-40	---
bottlebrush squirreltail	SIHY	---	---	5-10	---	---	---	---
mat muhly	MURI	---	---	---	---	2-8	---	---
needleandthread	STCO4	---	---	---	---	---	---	5-15
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---	---
thickspike wheatgrass	AGDA	---	---	---	---	---	---	5-10
canaigre	RUHY	---	---	---	---	---	---	1-3
lemon scurfpea	PSLA	---	---	---	---	---	---	1-3
tufted eveningprimrose	OECE2	---	---	---	---	---	---	1-3
Wyoming big sagebrush	ARTRW	15-25	15-25	15-30	---	---	15-25	---
antelope bitterbrush	PUTR2	---	---	2-8	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	5-10	---	25-30
black sagebrush	ARARN	---	---	10-20	---	---	---	---
fourwing saltbush	ATCA2	---	---	---	---	---	---	2-8
spiny hopsage	GRSP	---	---	2-5	---	---	---	2-8
Range site number		025XY019NV	025XY019NV	025XY025NV	none	025XY003NV	025XY019NV	024XY001NV
Potential production (lb/acre):								
Favorable years		800	800	500		4500	800	800
Normal years		600	600	350		3500	600	500
Unfavorable years		400	400	200		2000	400	300

1220--Hunnton, strongly sloping-Hunnton-Fulstone association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Hunnton	Hunnton	Fulstone	Inclusion 1	Inclusion 2
Sandberg bluegrass	POSE	2-5	2-5	2-8	2-5	2-8
Thurber needlegrass	STTH2	15-25	15-25	15-30	15-25	15-30
Webber ricegrass	STWE	---	---	2-8	---	2-8
bluebunch wheatgrass	AGSP	25-40	25-40	20-40	25-40	20-40
Wyoming big sagebrush	ARTRW	15-25	15-25	---	15-25	---
early sagebrush	ARLO9	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---
sagebrush	ARTEM	---	---	20-30	---	20-30
Range site number		025XY019NV	025XY019NV	025XY018NV	025XY019NV	025XY018NV
Potential production (lb/acre):						
Favorable years		800	800	800	800	800
Normal years		600	600	600	600	600
Unfavorable years		400	400	400	400	400

1221--Hunnton, moderately steep-Hunnton-Fulstone association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Hunnton	Hunnton	Fulstone	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	---	---	---	---	---	15-30
Nevada bluegrass	PONE3	---	---	---	---	5-10	---
Sandberg bluegrass	POSE	2-5	2-5	2-8	2-5	---	---
Thurber needlegrass	STTH2	15-25	15-25	15-30	15-25	---	---
Webber ricegrass	STWE	---	---	2-8	---	---	---
basin wildrye	ELCI2	---	---	---	---	60-70	2-8
bluebunch wheatgrass	AGSP	25-40	25-40	20-40	25-40	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	---	5-10
mat muhly	MURI	---	---	---	---	2-8	---
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---
Wyoming big sagebrush	ARTRW	15-25	15-25	---	15-25	---	15-30
antelope bitterbrush	PUTR2	---	---	---	---	---	2-8
basin big sagebrush	ARTRT	---	---	---	---	5-10	---
black sagebrush	ARARN	---	---	---	---	---	10-20
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
sagebrush	ARTEM	---	---	20-30	---	---	---
spiny hopsage	GRSP	---	---	---	---	---	2-5
Range site number		025XY019NV	025XY019NV	025XY018NV	025XY019NV	025XY003NV	025XY025NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	4500	500
Normal years		600	600	600	600	3500	350
Unfavorable years		400	400	400	400	2000	200

1223--Hunnton-Shabliss-Puett association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Hunnton	Shabliss	Puett	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	---	---	15-30	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-5	2-5	---	---	2-5	---	---
Thurber needlegrass	STTH2	15-25	15-25	---	---	15-25	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	5-10
basin wildrye	ELCI2	---	---	2-8	55-65	---	---	---
bluebunch wheatgrass	AGSP	25-40	25-40	---	---	25-40	---	---
bottlebrush squirreltail	SIHY	---	---	5-10	---	---	---	---
creeping wildrye	ELTR3	---	---	---	5-15	---	---	---
sedge	CAREX	---	---	---	---	---	---	5-10
tufted hairgrass	DECE	---	---	---	---	---	---	30-60
western wheatgrass	AGSM	---	---	---	5-15	---	---	---
Sierra clover	TRWO	---	---	---	---	---	---	2-5
cinquefoil	POTEN	---	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	15-25	15-25	15-30	---	15-25	---	---
antelope bitterbrush	PUTR2	---	---	2-8	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	10-15	---	---	---
black greasewood	SAVE4	---	---	---	2-8	---	---	---
black sagebrush	ARARN	---	---	10-20	---	---	---	---
spiny hopsage	GRSP	---	---	2-5	---	---	---	---
Range site number		025XY019NV	025XY019NV	025XY025NV	024XY006NV	025XY019NV	none	025XY005NV
Potential production (lb/acre):								
Favorable years		800	800	500	1500	800		3000
Normal years		600	600	350	1100	600		1700
Unfavorable years		400	400	200	600	400		1000

1224--Hunnton-Trunk-Shabliss association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Hunnton	Trunk	Shabliss	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	---	---	---	5-15	5-15	---	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	---	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	---	---	15-25	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	---	---	25-40	---
bottlebrush squirreltail	SIHY	---	---	---	5-10	5-10	---	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---	---	15-25	---
bud sagebrush	ARSP5	---	---	---	20-30	20-30	---	---
shadscale	ATCO	---	---	---	30-40	30-40	---	---
spiny hopsage	GRSP	---	---	---	2-5	2-5	---	---
winterfat	EULA5	---	---	---	2-5	2-5	---	---
Range site number		025XY019NV	025XY019NV	025XY019NV	024XY002NV	024XY002NV	025XY019NV	none
Potential production (lb/acre):								
Favorable years		800	800	800	750	750	800	
Normal years		600	600	600	450	450	600	
Unfavorable years		400	400	400	300	300	400	

1226--Hunnton-Wieland-Clementine association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Hunnton	Wieland	Clementine	Inclusion 1	Inclusion 2	Inclusion 3
Nevada bluegrass	PONE3	---	---	5-10	---	---	---
Sandberg bluegrass	POSE	2-5	2-5	---	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	---	15-25	15-25	---
basin wildrye	ELCI2	---	---	60-70	---	---	55-65
bluebunch wheatgrass	AGSP	25-40	25-40	---	25-40	25-40	---
creeping wildrye	ELTR3	---	---	---	---	---	5-15
mat muhly	MURI	---	---	2-8	---	---	---
streambank wheatgrass	AGDAR	---	---	2-8	---	---	---
western wheatgrass	AGSM	---	---	---	---	---	5-15
Wyoming big sagebrush	ARTRW	15-25	15-25	---	15-25	15-25	---
basin big sagebrush	ARTRT	---	---	5-10	---	---	10-15
black greasewood	SAVE4	---	---	---	---	---	2-8
Range site number		025XY019NV	025XY019NV	025XY003NV	025XY019NV	025XY019NV	024XY006NV
Potential production (lb/acre):							
Favorable years		800	800	4500	800	800	1500
Normal years		600	600	3500	600	600	1100
Unfavorable years		400	400	2000	400	400	600

1227--Hunnton-Chiara-Bilbo association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Hunnton	Chiara	Bilbo	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Indian ricegrass	ORHY	---	---	---	---	15-30	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	---
Sandberg bluegrass	POSE	2-5	2-5	---	2-5	---	---	2-5
Thurber needlegrass	STTH2	15-25	15-25	5-15	15-25	---	10-20	15-25
basin wildrye	ELCI2	---	---	2-5	---	2-8	2-8	---
bluebunch wheatgrass	AGSP	25-40	25-40	60-80	25-40	---	20-35	25-40
bluegrass	POA++	---	---	---	---	---	2-10	---
bottlebrush squirreltail	SIHY	---	---	---	---	5-10	---	---
Wyoming big sagebrush	ARTRW	15-25	15-25	5-15	15-25	15-30	---	15-25
antelope bitterbrush	PUTR2	---	---	1-5	---	2-8	2-8	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	10-20	---
black sagebrush	ARARN	---	---	---	---	10-20	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
spiny hopsage	GRSP	---	---	---	---	2-5	---	---
Range site number		025XY019NV	025XY019NV	025XY015NV	025XY019NV	025XY025NV	025XY014NV	025XY019NV
Potential production (lb/acre):								
Favorable years		800	800	1000	800	500	1000	800
Normal years		600	600	700	600	350	800	600
Unfavorable years		400	400	500	400	200	600	400

1228--Hunnton-Hunnton, moderately sloping association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Hunnton	Hunnton	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	---	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	10-20	5-15	15-25
basin wildrye	ELCI2	---	---	---	2-8	2-5	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	20-35	60-80	25-40
bluegrass	POA++	---	---	---	2-10	---	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---	5-15	15-25
antelope bitterbrush	PUTR2	---	---	---	2-8	1-5	---
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	10-20	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY014NV	025XY015NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800	1000	1000	800
Normal years		600	600	600	800	700	600
Unfavorable years		400	400	400	600	500	400

1229--Hunnton-Chiara-Wieland association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Hunnton	Chiara	Wieland	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	---	---	---	40-60
Nevada bluegrass	PONE3	---	---	---	---	---	---	2-8
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	10-20	15-25	---
basin wildrye	ELCI2	---	---	---	---	2-8	---	2-8
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	20-35	25-40	5-15
bluegrass	POA++	---	---	---	---	2-10	---	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	---	15-25	---
antelope bitterbrush	PUTR2	---	---	---	---	2-8	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	10-20
big sagebrush	ARTR2	---	---	---	---	10-20	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY014NV	025XY019NV	025XY027NV
Potential production (lb/acre):								
Favorable years		800	800	800	800	1000	800	1300
Normal years		600	600	600	600	800	600	900
Unfavorable years		400	400	400	400	600	400	500

1230--Fulstone-Hunnton association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Fulstone	Hunnton	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	5-10	---
Sandberg bluegrass	POSE	2-8	2-5	---	---	---
Thurber needlegrass	STTH2	15-30	15-25	5-15	---	10-20
Webber ricegrass	STWE	2-8	---	---	---	---
basin wildrye	ELCI2	---	---	2-5	60-70	2-8
bluebunch wheatgrass	AGSP	20-40	25-40	60-80	---	20-35
bluegrass	POA++	---	---	---	---	2-10
mat muhly	MURI	---	---	---	2-8	---
streambank wheatgrass	AGDAR	---	---	---	2-8	---
Wyoming big sagebrush	ARTRW	---	15-25	5-15	---	---
antelope bitterbrush	PUTR2	---	---	1-5	---	2-8
basin big sagebrush	ARTRT	---	---	---	5-10	---
big sagebrush	ARTR2	---	---	---	---	10-20
early sagebrush	ARLO9	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---
sagebrush	ARTEM	20-30	---	---	---	---
Range site number		025XY018NV	025XY019NV	025XY015NV	025XY003NV	025XY014NV
Potential production (lb/acre):						
Favorable years		800	800	1000	4500	1000
Normal years		600	600	700	3500	800
Unfavorable years		400	400	500	2000	600

1231--Fulstone-Fulstone, moderately steep-Hunnton association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Fulstone	Fulstone	Hunnton	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	---	---	---	---	---	30-50
Nevada bluegrass	PONE3	---	---	---	5-10	5-10	---
Sandberg bluegrass	POSE	2-8	2-8	2-5	---	---	---
Thurber needlegrass	STTH2	15-30	15-30	15-25	---	---	---
Webber ricegrass	STWE	2-8	2-8	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	5-10	---
basin wildrye	ELCI2	---	---	---	60-70	---	---
bluebunch wheatgrass	AGSP	20-40	20-40	25-40	---	---	15-30
bluegrass	POA++	---	---	---	---	---	2-10
mat muhly	MURI	---	---	---	2-8	---	---
sedge	CAREX	---	---	---	---	5-10	---
streambank wheatgrass	AGDAR	---	---	---	2-8	---	---
tufted hairgrass	DECE	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	2-5	---
cinquefoil	POTEN	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	---	---	15-25	---	---	---
antelope bitterbrush	PUTR2	---	---	---	---	---	2-5
basin big sagebrush	ARTRT	---	---	---	5-10	---	---
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	15-25
sagebrush	ARTEM	20-30	20-30	---	---	---	---
Range site number		025XY018NV	025XY018NV	025XY019NV	025XY003NV	025XY005NV	025XY017NV
Potential production (lb/acre):							
Favorable years		800	800	800	4500	3000	900
Normal years		600	600	600	3500	1700	700
Unfavorable years		400	400	400	2000	1000	400

1232--Fulstone-Fulstone, cobbly loam-Wieland association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Fulstone	Fulstone	Wieland	Inclusion 1	Inclusion 2	Inclusion 3
Nevada bluegrass	PONE3	---	---	---	---	5-10	5-10
Sandberg bluegrass	POSE	2-8	2-8	2-5	---	---	---
Thurber needlegrass	STTH2	15-30	15-30	15-25	5-15	---	---
Webber ricegrass	STWE	2-8	2-8	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	5-10
basin wildrye	ELCI2	---	---	---	2-5	60-70	---
bluebunch wheatgrass	AGSP	20-40	20-40	25-40	60-80	---	---
mat muhly	MURI	---	---	---	---	2-8	---
sedge	CAREX	---	---	---	---	---	5-10
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---
tufted hairgrass	DECE	---	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	---	2-5
cinquefoil	POTEN	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	---	15-25	5-15	---	---
antelope bitterbrush	PUTR2	---	---	---	1-5	---	---
basin big sagebrush	ARTRT	---	---	---	---	5-10	---
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
sagebrush	ARTEM	20-30	20-30	---	---	---	---
Range site number		025XY018NV	025XY018NV	025XY019NV	025XY015NV	025XY003NV	025XY005NV
Potential production (lb/acre):							
Favorable years		800	800	800	1000	4500	3000
Normal years		600	600	600	700	3500	1700
Unfavorable years		400	400	400	500	2000	1000

1241--Enko-Shabliss-Orovada association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Enko	Shabliss	Orovada	Inclusion 1
Indian ricegrass	ORHY	15-25	15-25	5-15	30-40
Sandberg bluegrass	POSE	---	---	2-8	---
Thurber needlegrass	STTH2	---	---	15-25	---
basin wildrye	ELCI2	---	---	---	2-8
bottlebrush squirreltail	SIHY	2-8	2-8	2-5	---
needleandthread	STCO4	---	---	---	5-15
thickspike wheatgrass	AGDA	---	---	---	5-10
canaigre	RUHY	---	---	---	1-3
globemallow	SPHAE	---	---	1-2	---
lemon scurfpea	PSLA	---	---	---	1-3
tufted eveningprimrose	OECE2	---	---	---	1-3
Wyoming big sagebrush	ARTRW	---	---	20-35	---
basin big sagebrush	ARTRT	---	---	---	25-30
bud sagebrush	ARSP5	2-5	2-5	---	---
fourwing saltbush	ATCA2	---	---	---	2-8
spiny hopsage	GRSP	---	---	5-20	2-8
winterfat	EULA5	60-70	60-70	---	---
Range site number		024XY004NV	024XY004NV	024XY020NV	024XY001NV
Potential production (lb/acre):					
Favorable years		500	500	700	800
Normal years		350	350	450	500
Unfavorable years		200	200	300	300

1242--Enko-Enko, strongly sloping association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Enko	Enko	Inclusion 1	Inclusion 2
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):					
Favorable years		800	800	800	800
Normal years		600	600	600	600
Unfavorable years		400	400	400	400

1260--Kleckner-Upville-Fulstone association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Kleckner	Upville	Fulstone	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	5-10	---	---
Sandberg bluegrass	POSE	---	---	2-8	---	2-5	2-5
Thurber needlegrass	STTH2	10-20	10-20	15-30	---	15-25	15-25
Webber ricegrass	STWE	---	---	2-8	---	---	---
alpine timothy	PHAL2	---	---	---	5-10	---	---
basin wildrye	ELCI2	2-8	2-8	---	---	---	---
bluebunch wheatgrass	AGSP	20-35	20-35	20-40	---	25-40	25-40
bluegrass	POA++	2-10	2-10	---	---	---	---
sedge	CAREX	---	---	---	5-10	---	---
tufted hairgrass	DECE	---	---	---	30-60	---	---
Sierra clover	TRWO	---	---	---	2-5	---	---
cinquefoil	POTEN	---	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	15-25	15-25
antelope bitterbrush	PUTR2	2-8	2-8	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	10-20	10-20	---	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
sagebrush	ARTEM	---	---	20-30	---	---	---
Range site number		025XY014NV	025XY014NV	025XY018NV	025XY005NV	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years		1000	1000	800	3000	800	800
Normal years		800	800	600	1700	600	600
Unfavorable years		600	600	400	1000	400	400

1261--Kleckner-Heechee association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Kleckner	Heechee	Inclusion 1	Inclusion 2
Canby bluegrass	POCA	---	---	---	---
Idaho fescue	FEID	---	15-30	---	---
Nevada bluegrass	PONE3	---	---	---	40-60
Sandberg bluegrass	POSE	---	---	2-8	---
Thurber needlegrass	STTH2	10-20	2-5	15-30	---
Webber ricegrass	STWE	---	---	2-8	---
alpine timothy	PHAL2	---	---	---	20-40
basin wildrye	ELCI2	2-8	---	---	2-8
bluebunch wheatgrass	AGSP	20-35	10-20	20-40	---
bluegrass	POA++	2-10	---	---	---
mat muhly	MURI	---	---	---	2-8
meadow barley	HOBR2	---	---	---	2-5
sedge	CAREX	---	---	---	2-8
Wyoming big sagebrush	ARTRW	---	---	---	---
antelope bitterbrush	PUTR2	2-8	20-40	---	---
basin big sagebrush	ARTRT	---	---	---	---
big sagebrush	ARTR2	10-20	---	---	---
early sagebrush	ARLO9	---	---	---	---
low sagebrush	ARAR8	---	---	---	---
mountain big sagebrush	ARVA2	---	5-10	---	---
sagebrush	ARTEM	---	---	20-30	---
Range site number		025XY014NV	025XY007NV	025XY018NV	025XY006NV
Potential production (lb/acre):					
Favorable years		1000	2300	800	2000
Normal years		800	1400	600	1300
Unfavorable years		600	900	400	800

1290--Tweba very fine sandy loam, drained, 0 to 2 percent slopes

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		Tweba	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	5-10	---	---
Sandberg bluegrass	POSE	---	2-5	---
Thurber needlegrass	STTH2	---	15-25	---
basin wildrye	ELCI2	60-70	---	15-20
bluebunch wheatgrass	AGSP	---	25-40	---
bottlebrush squirreltail	SIHY	---	---	2-10
inland saltgrass	DISPS2	---	---	2-8
mat muhly	MURI	2-8	---	---
streambank wheatgrass	AGDAR	2-8	---	---
Wyoming big sagebrush	ARTRW	---	15-25	---
basin big sagebrush	ARTRT	5-10	---	---
black greasewood	SAVE4	---	---	50-65
Range site number		025XY003NV	025XY019NV	024XY008NV
Potential production (lb/acre):				
Favorable years		4500	800	700
Normal years		3500	600	450
Unfavorable years		2000	400	300

1350--Shabliss-Hunnton-Bioya association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Shabliss	Hunnton	Bioya	Inclusion 1	Inclusion 2	Inclusion 3
Nevada bluegrass	PONE3	---	---	---	---	5-10	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	---	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	---	---	---
alpine timothy	PHAL2	---	---	---	---	5-10	---
basin wildrye	ELCI2	---	---	---	55-65	---	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	---	---	---
creeping wildrye	ELTR3	---	---	---	5-15	---	---
sedge	CAREX	---	---	---	---	5-10	---
tufted hairgrass	DECE	---	---	---	---	30-60	---
western wheatgrass	AGSM	---	---	---	5-15	---	---
Sierra clover	TRWO	---	---	---	---	2-5	---
cinquefoil	POTEN	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---	---	---
basin big sagebrush	ARTRT	---	---	---	10-15	---	---
black greasewood	SAVE4	---	---	---	2-8	---	---
Range site number		025XY019NV	025XY019NV	025XY019NV	024XY006NV	025XY005NV	none
Potential production (lb/acre):							
Favorable years		800	800	800	1500	3000	
Normal years		600	600	600	1100	1700	
Unfavorable years		400	400	400	600	1000	

1351--Shabliss-Bartome association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Shabliss	Bartome	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

1352--Shabliss-Skull Creek-Puett association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Shabliss	Skull Creek	Puett	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	---	---	15-30	---	---	30-40
Sandberg bluegrass	POSE	2-5	2-5	---	---	---	---
Thurber needlegrass	STTH2	15-25	15-25	---	---	---	---
basin wildrye	ELCI2	---	---	2-8	---	55-65	2-8
bluebunch wheatgrass	AGSP	25-40	25-40	---	---	---	---
bottlebrush squirreltail	SIHY	---	---	5-10	---	---	---
creeping wildrye	ELTR3	---	---	---	---	5-15	---
needleandthread	STCO4	---	---	---	---	---	5-15
thickspike wheatgrass	AGDA	---	---	---	---	---	5-10
western wheatgrass	AGSM	---	---	---	---	5-15	---
canaigre	RUHY	---	---	---	---	---	1-3
lemon scurfpea	PSLA	---	---	---	---	---	1-3
tufted eveningprimrose	OECE2	---	---	---	---	---	1-3
Wyoming big sagebrush	ARTRW	15-25	15-25	15-30	---	---	---
antelope bitterbrush	PUTR2	---	---	2-8	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	10-15	25-30
black greasewood	SAVE4	---	---	---	---	2-8	---
black sagebrush	ARARN	---	---	10-20	---	---	---
fourwing saltbush	ATCA2	---	---	---	---	---	2-8
spiny hopsage	GRSP	---	---	2-5	---	---	2-8
Range site number		025XY019NV	025XY019NV	025XY025NV	none	024XY006NV	024XY001NV
Potential production (lb/acre):							
Favorable years		800	800	500		1500	800
Normal years		600	600	350		1100	500
Unfavorable years		400	400	200		600	300

1360--Orovada very fine sandy loam, 0 to 2 percent slopes

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		Orovada	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	5-15	---	---
Sandberg bluegrass	POSE	2-8	---	---
Thurber needlegrass	STTH2	15-25	40-50	40-50
bluebunch wheatgrass	AGSP	---	2-10	2-10
bottlebrush squirreltail	SIHY	2-5	---	---
globemallow	SPHAE	1-2	1-3	1-3
Wyoming big sagebrush	ARTRW	20-35	25-35	25-35
spiny hopsage	GRSP	5-20	2-5	2-5
Range site number		024XY020NV	024XY005NV	024XY005NV
Potential production (lb/acre):				
Favorable years		700	800	800
Normal years		450	600	600
Unfavorable years		300	400	400

1362--Orovada-Clurde-Wieland association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Orovada	Clurde	Wieland	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	5-15	---	---	---	5-15	---	5-15
Sandberg bluegrass	POSE	2-8	---	---	---	---	---	---
Thurber needlegrass	STTH2	15-25	40-50	40-50	40-50	---	---	---
basin wildrye	ELCI2	---	---	---	---	---	55-65	---
bluebunch wheatgrass	AGSP	---	2-10	2-10	2-10	---	---	---
bottlebrush squirreltail	SIHY	2-5	---	---	---	5-10	---	5-10
creeping wildrye	ELTR3	---	---	---	---	---	5-15	---
western wheatgrass	AGSM	---	---	---	---	---	5-15	---
globemallow	SPHAE	1-2	1-3	1-3	1-3	---	---	---
Wyoming big sagebrush	ARTRW	20-35	25-35	25-35	25-35	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	10-15	---
black greasewood	SAVE4	---	---	---	---	---	2-8	---
bud sagebrush	ARSP5	---	---	---	---	20-30	---	20-30
shadscale	ATCO	---	---	---	---	30-40	---	30-40
spiny hopsage	GRSP	5-20	2-5	2-5	2-5	2-5	---	2-5
winterfat	EULA5	---	---	---	---	2-5	---	2-5
Range site number		024XY020NV	024XY005NV	024XY005NV	024XY005NV	024XY002NV	024XY006NV	024XY002NV
Potential production (lb/acre):								
Favorable years		700	800	800	800	750	1500	750
Normal years		450	600	600	600	450	1100	450
Unfavorable years		300	400	400	400	300	600	300

1363--Orovada-Tweba-Weso association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Orovada	Tweba	Weso	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	5-15	---	5-15	---	---
Nevada bluegrass	PONE3	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-8	---	---	---	---
Thurber needlegrass	STTH2	15-25	---	---	40-50	---
basin wildrye	ELCI2	---	55-65	---	---	60-70
bluebunch wheatgrass	AGSP	---	---	---	2-10	---
bottlebrush squirreltail	SIHY	2-5	---	5-10	---	---
creeping wildrye	ELTR3	---	5-15	---	---	---
mat muhly	MURI	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	2-8
western wheatgrass	AGSM	---	5-15	---	---	---
globemallow	SPHAE	1-2	---	---	1-3	---
Wyoming big sagebrush	ARTRW	20-35	---	---	25-35	---
basin big sagebrush	ARTRT	---	10-15	---	---	5-10
black greasewood	SAVE4	---	2-8	---	---	---
bud sagebrush	ARSP5	---	---	20-30	---	---
shadscale	ATCO	---	---	30-40	---	---
spiny hopsage	GRSP	5-20	---	2-5	2-5	---
winterfat	EULA5	---	---	2-5	---	---
Range site number		024XY020NV	024XY006NV	024XY002NV	024XY005NV	025XY003NV
Potential production (lb/acre):						
Favorable years		700	1500	750	800	4500
Normal years		450	1100	450	600	3500
Unfavorable years		300	600	300	400	2000

1530--Creemon-Placeritos association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Creemon	Placeritos	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	---	2-5	---	5-15	---
Sandberg bluegrass	POSE	---	---	---	2-8	---
Thurber needlegrass	STTH2	---	---	40-50	15-25	---
basin wildrye	ELCI2	---	5-20	---	---	5-15
bluebunch wheatgrass	AGSP	---	---	2-10	---	---
bottlebrush squirreltail	SIHY	5-10	2-5	---	2-5	---
inland saltgrass	DISPS2	---	---	---	---	5-10
globemallow	SPHAE	---	1-2	1-3	1-2	---
thelypody	THELY	---	2-4	---	---	---
Wyoming big sagebrush	ARTRW	---	---	25-35	20-35	---
basin big sagebrush	ARTRT	---	---	---	---	---
big sagebrush	ARTR2	---	10-25	---	---	---
black greasewood	SAVE4	15-30	20-30	---	---	60-75
bud sagebrush	ARSP5	2-8	---	---	---	---
seepweed	SUAED	2-8	---	---	---	---
shadscale	ATCO	30-50	---	---	---	---
spiny hopsage	GRSP	---	5-15	2-5	5-20	---
Range site number		024XY003NV	024XY022NV	024XY005NV	024XY020NV	024XY011NV
Potential production (lb/acre):						
Favorable years		600	800	800	700	500
Normal years		450	600	600	450	350
Unfavorable years		300	350	400	300	200

1572--Weso-Orovada-Shabliss association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Weso	Orovada	Shabliss	Inclusion 1
Indian ricegrass	ORHY	5-15	5-15	---	30-40
Sandberg bluegrass	POSE	---	2-8	---	---
Thurber needlegrass	STTH2	---	15-25	40-50	---
basin wildrye	ELCI2	---	---	---	2-8
bluebunch wheatgrass	AGSP	---	---	2-10	---
bottlebrush squirreltail	SIHY	5-10	2-5	---	---
needleandthread	STCO4	---	---	---	5-15
thickspike wheatgrass	AGDA	---	---	---	5-10
canaigre	RUHY	---	---	---	1-3
globemallow	SPHAE	---	1-2	1-3	---
lemon scurfpea	PSLA	---	---	---	1-3
tufted eveningprimrose	OECE2	---	---	---	1-3
Wyoming big sagebrush	ARTRW	---	20-35	25-35	---
basin big sagebrush	ARTRT	---	---	---	25-30
bud sagebrush	ARSP5	20-30	---	---	---
fourwing saltbush	ATCA2	---	---	---	2-8
shadscale	ATCO	30-40	---	---	---
spiny hopsage	GRSP	2-5	5-20	2-5	2-8
winterfat	EULA5	2-5	---	---	---
Range site number		024XY002NV	024XY020NV	024XY005NV	024XY001NV
Potential production (lb/acre):					
Favorable years		750	700	800	800
Normal years		450	450	600	500
Unfavorable years		300	300	400	300

1573--Weso-Orovada-Tweba association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Weso	Orovada	Tweba	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	5-15	15-25	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	5-10	---	---
Sandberg bluegrass	POSE	---	---	---	---	---	2-5	2-5
Thurber needlegrass	STTH2	---	---	---	---	---	15-25	15-25
basin wildrye	ELCI2	---	---	55-65	5-15	60-70	---	---
bluebunch wheatgrass	AGSP	---	---	---	---	---	25-40	25-40
bottlebrush squirreltail	SIHY	5-10	2-8	---	---	---	---	---
creeping wildrye	ELTR3	---	---	5-15	---	---	---	---
inland saltgrass	DISPS2	---	---	---	5-10	---	---	---
mat muhly	MURI	---	---	---	---	2-8	---	---
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---	---
western wheatgrass	AGSM	---	---	5-15	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	15-25	15-25
basin big sagebrush	ARTRT	---	---	10-15	---	5-10	---	---
black greasewood	SAVE4	---	---	2-8	60-75	---	---	---
bud sagebrush	ARSP5	20-30	2-5	---	---	---	---	---
shadscale	ATCO	30-40	---	---	---	---	---	---
spiny hopsage	GRSP	2-5	---	---	---	---	---	---
winterfat	EULA5	2-5	60-70	---	---	---	---	---

Range site number	024XY002NV	024XY004NV	024XY006NV	024XY011NV	025XY003NV	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years	750	500	1500	500	4500	800	800
Normal years	450	350	1100	350	3500	600	600
Unfavorable years	300	200	600	200	2000	400	400

1617--Cleavage-Hapgood-Tweener association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cleavage	Hapgood	Tweener	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	2-5	---	---	---	---	---
Idaho fescue	FEID	5-30	2-10	15-30	---	5-30	30-50	30-40
Nevada bluegrass	PONE3	---	2-5	---	5-10	---	---	2-5
Thurber needlegrass	STTH2	---	---	2-5	---	---	---	---
basin wildrye	ELCI2	---	---	---	60-70	---	---	2-10
bluebunch wheatgrass	AGSP	---	2-5	10-20	---	---	15-30	15-30
bluegrass	POA++	5-15	---	---	---	5-15	2-10	---
mat muhly	MURI	---	---	---	2-8	---	---	---
mountain brome	BRCA5	---	5-15	---	---	---	---	---
slender wheatgrass	AGTR	---	5-15	---	---	---	---	---
spike-fescue	LEKI2	---	2-10	---	---	---	---	---
streambank wheatgrass	AGDAR	---	---	---	2-8	---	---	---
arrowleaf balsamroot	BASA3	---	---	---	---	---	---	2-5
goldenweed	HAPLO2	2-5	---	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	---	---	---	---	2-5
Utah serviceberry	AMUT	---	1-5	---	---	---	---	---
antelope bitterbrush	PUTR2	---	1-5	20-40	---	---	2-5	5-10
basin big sagebrush	ARTRT	---	---	---	5-10	---	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	1-5	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	15-25	---
mountain big sagebrush	ARVA2	---	5-15	5-10	---	---	---	10-20
sagebrush	ARTEM	30-35	---	---	---	30-35	---	---
snowberry	SYMPH	---	2-15	---	---	---	---	---
Range site number		025XY024NV	025XY004NV	025XY007NV	025XY003NV	025XY024NV	025XY017NV	025XY012NV
Potential production (lb/acre):								
Favorable years		400	2800	2300	4500	400	900	1400
Normal years		275	1800	1400	3500	275	700	1000
Unfavorable years		150	1200	900	2000	150	400	700

1618--Cleavage-Sumine-Pequop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cleavage	Sumine	Pequop	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-50	2-5	30-40	15-30	40-60	30-40	---
Nevada bluegrass	PONE3	---	2-5	2-5	---	2-8	2-5	40-60
Thurber needlegrass	STTH2	---	2-8	---	2-5	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	20-40
basin wildrye	ELCI2	---	5-10	2-10	---	2-8	2-10	2-8
bluebunch wheatgrass	AGSP	15-30	50-60	15-30	10-20	5-15	15-30	---
bluegrass	POA++	2-10	---	---	---	---	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
meadow barley	HOBR2	---	---	---	---	---	---	2-5
sedge	CAREX	---	---	---	---	---	---	2-8
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	2-5	---
antelope bitterbrush	PUTR2	2-5	2-10	5-10	20-40	---	5-10	---
basin big sagebrush	ARTRT	---	---	---	---	10-20	---	---
low sagebrush	ARAR8	15-25	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	5-15	10-20	5-10	---	10-20	---
Range site number		025XY017NV	025XY009NV	025XY012NV	025XY007NV	025XY027NV	025XY012NV	025XY006NV
Potential production (lb/acre):								
Favorable years		900	1300	1400	2300	1300	1400	2000
Normal years		700	900	1000	1400	900	1000	1300
Unfavorable years		400	700	700	900	500	700	800

1619--Cleavage-Tusk-Sumine association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cleavage	Tusk	Sumine	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	5-30	20-30	2-5	30-50	30-50	X	---
Nevada bluegrass	PONE3	---	---	2-5	---	---	---	---
Thurber needlegrass	STTH2	---	---	2-8	---	---	---	---
basin wildrye	ELCI2	---	40-60	5-10	---	---	---	---
big bluegrass	POAM	---	2-8	---	---	---	---	---
bluebunch wheatgrass	AGSP	---	---	50-60	15-30	15-30	---	---
bluegrass	POA++	5-15	---	---	2-10	2-10	---	---
horsemint giant hyssop	AGUR	---	---	---	---	---	X	---
mountain brome	BRCA5	---	2-10	---	---	---	X	---
slender wheatgrass	AGTR	---	---	---	---	---	X	---
goldenweed	HAPLO2	2-5	---	---	---	---	---	---
groundsel	SENEC	---	---	---	---	---	X	---
Utah serviceberry	AMUT	---	---	---	---	---	X	---
antelope bitterbrush	PUTR2	---	---	2-10	2-5	2-5	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	15-25	15-25	---	---
mountain big sagebrush	ARVA2	---	2-5	5-15	---	---	---	---
sagebrush	ARTEM	30-35	---	---	---	---	---	---
snowberry	SYMPH	---	---	---	---	---	X	---
quaking aspen	POTRT	---	---	---	---	---	X	---
Range site number		025XY024NV	025XY029NV	025XY009NV	025XY017NV	025XY017NV	025XY065NV	none
Potential production (lb/acre):								
Favorable years		400	2000	1300	900	900	800	
Normal years		275	1700	900	700	700	600	
Unfavorable years		150	1300	700	400	400	400	

1621--Cleavage-Graley-Cleavage, moderately steep association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cleavage	Graley	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Cusick bluegrass	POCU3	---	---	---	5-10	---	---	---
Idaho fescue	FEID	30-50	30-40	5-30	50-65	---	---	2-5
Nevada bluegrass	PONE3	---	2-5	---	---	---	5-10	2-5
Thurber needlegrass	STTH2	---	---	---	---	---	---	2-8
alpine timothy	PHAL2	---	---	---	---	---	5-10	---
basin wildrye	ELCI2	---	2-10	---	---	---	---	5-10
bluebunch wheatgrass	AGSP	15-30	15-30	---	2-5	---	---	50-60
bluegrass	POA++	2-10	---	5-15	---	---	---	---
sedge	CAREX	---	---	---	---	---	5-10	---
tufted hairgrass	DECE	---	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	---	2-5	---
arrowleaf balsamroot	BASA3	---	2-5	---	---	---	---	---
cinquefoil	POTEN	---	---	---	---	---	2-5	---
goldenweed	HAPLO2	---	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	---	---	---	---
antelope bitterbrush	PUTR2	2-5	5-10	---	---	---	---	2-10
black sagebrush	ARARN	---	---	---	---	---	---	---
low sagebrush	ARAR8	15-25	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	10-20	---	2-8	---	---	5-15
sagebrush	ARTEM	---	---	30-35	---	---	---	---
Range site number		025XY017NV	025XY012NV	025XY024NV	025XY010NV	none	025XY005NV	025XY009NV
Potential production (lb/acre):								
Favorable years		900	1400	400	1200		3000	1300
Normal years		700	1000	275	800		1700	900
Unfavorable years		400	700	150	600		1000	700

1622--Cleavage-Sumine-Hapgood association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cleavage	Sumine	Hapgood	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	2-5	---	2-5	---	---
Cusick bluegrass	POCU3	---	---	---	---	---	5-10	---
Idaho fescue	FEID	5-30	2-5	2-10	5-30	2-10	50-65	20-30
Nevada bluegrass	PONE3	---	2-5	2-5	---	2-5	---	---
Thurber needlegrass	STTH2	---	2-8	---	---	---	---	---
basin wildrye	ELCI2	---	5-10	---	---	---	---	40-60
big bluegrass	POAM	---	---	---	---	---	---	2-8
bluebunch wheatgrass	AGSP	---	50-60	2-5	---	2-5	2-5	---
bluegrass	POA++	5-15	---	---	5-15	---	---	---
mountain brome	BRCA5	---	---	5-15	---	5-15	---	2-10
slender wheatgrass	AGTR	---	---	5-15	---	5-15	---	---
spike-fescue	LEKI2	---	---	2-10	---	2-10	---	---
goldenweed	HAPLO2	2-5	---	---	2-5	---	---	---
Utah serviceberry	AMUT	---	---	1-5	---	1-5	---	---
antelope bitterbrush	PUTR2	---	2-10	1-5	---	1-5	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	---	1-5	---	1-5	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	5-15	5-15	---	5-15	2-8	2-5
sagebrush	ARTEM	30-35	---	---	30-35	---	---	---
snowberry	SYMPH	---	---	2-15	---	2-15	---	---
Range site number		025XY024NV	025XY009NV	025XY004NV	025XY024NV	025XY004NV	025XY010NV	025XY029NV
Potential production (lb/acre):								
Favorable years		400	1300	2800	400	2800	1200	2000
Normal years		275	900	1800	275	1800	800	1700
Unfavorable years		150	700	1200	150	1200	600	1300

1623--Cleavage-Hapgood-Sumine association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cleavage	Hapgood	Sumine	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	2-5	---	---	---	---	---
Idaho fescue	FEID	5-30	2-10	2-5	30-40	30-50	---	40-60
Nevada bluegrass	PONE3	---	2-5	2-5	2-5	---	5-10	2-8
Thurher needlegrass	STTH2	---	---	2-8	---	---	---	---
basin wildrye	ELCI2	---	---	5-10	2-10	---	60-70	2-8
bluebunch wheatgrass	AGSP	---	2-5	50-60	15-30	15-30	---	5-15
bluegrass	POA++	5-15	---	---	---	2-10	---	---
mat muhly	MURI	---	---	---	---	---	2-8	---
mountain brome	BRCA5	---	5-15	---	---	---	---	---
slender wheatgrass	AGTR	---	5-15	---	---	---	---	---
spike-fescue	LEKI2	---	2-10	---	---	---	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	---	2-5	---	---	---
goldenweed	HAPLO2	2-5	---	---	---	---	---	---
tapertip hawksheard	CRAC2	---	---	---	2-5	---	---	---
Utah serviceberry	AMUT	---	1-5	---	---	---	---	---
antelope hitterhrush	PUTR2	---	1-5	2-10	5-10	2-5	---	---
basin hig sagebrush	ARTRT	---	---	---	---	---	5-10	10-20
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	1-5	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	15-25	---	---
mountain hig sagebrush	ARVA2	---	5-15	5-15	10-20	---	---	---
sagebrush	ARTEM	30-35	---	---	---	---	---	---
snowberry	SYMPH	---	2-15	---	---	---	---	---
Range site number		025XY024NV	025XY004NV	025XY009NV	025XY012NV	025XY017NV	025XY003NV	025XY027NV
Potential production (lb/acre):								
Favorable years		400	2800	1300	1400	900	4500	1300
Normal years		275	1800	900	1000	700	3500	900
Unfavorable years		150	1200	700	700	400	2000	500

1625--Cleavage-Ninemile-Sumine association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cleavage	Ninemile	Sumine	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-50	30-50	2-5	---	30-40	40-60	20-30
Nevada bluegrass	PONE3	---	---	2-5	40-60	2-5	2-8	---
Thurber needlegrass	STTH2	---	---	2-8	---	---	---	---
alpine timothy	PHAL2	---	---	---	20-40	---	---	---
basin wildrye	ELCI2	---	---	5-10	2-8	2-10	2-8	40-60
big bluegrass	POAM	---	---	---	---	---	---	2-8
bluebunch wheatgrass	AGSP	15-30	15-30	50-60	---	15-30	5-15	---
bluegrass	POA++	2-10	2-10	---	---	---	---	---
mat muhly	MURI	---	---	---	2-8	---	---	---
meadow barley	HOBR2	---	---	---	2-5	---	---	---
mountain brome	BRCA5	---	---	---	---	---	---	2-10
sedge	CAREX	---	---	---	2-8	---	---	---
arrowleaf balsamroot	BASA3	---	---	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	---	---	2-5	---	---
antelope bitterbrush	PUTR2	2-5	2-5	2-10	---	5-10	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	10-20	---
low sagebrush	ARAR8	15-25	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	5-15	---	10-20	---	2-5
Range site number		025XY017NV	025XY017NV	025XY009NV	025XY006NV	025XY012NV	025XY027NV	025XY029NV
Potential production (lb/acre):								
Favorable years		900	900	1300	2000	1400	1300	2000
Normal years		700	700	900	1300	1000	900	1700
Unfavorable years		400	400	700	800	700	500	1300

1626--Cleavage-Carstump-Chen association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Cleavage	Carstump	Chen	Inclusion 1	Inclusion 2
Canby bluegrass	POCA	---	---	---	---	---
Idaho fescue	FEID	30-50	---	30-50	---	30-40
Nevada bluegrass	PONE3	---	---	---	---	2-5
Thurber needlegrass	STTH2	---	10-20	---	---	---
basin wildrye	ELCI2	---	2-8	---	---	2-10
bluebunch wheatgrass	AGSP	15-30	20-35	15-30	---	15-30
bluegrass	POA++	2-10	2-10	2-10	---	---
arrowleaf balsamroot	BASA3	---	---	---	---	2-5
tapertip hawksbeard	CRAC2	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	---	---	---	---
antelope bitterbrush	PUTR2	2-5	2-8	2-5	---	5-10
basin big sagebrush	ARTRT	---	---	---	---	---
big sagebrush	ARTR2	---	10-20	---	---	---
low sagebrush	ARAR8	15-25	---	15-25	---	---
mountain big sagebrush	ARVA2	---	---	---	---	10-20
Range site number		025XY017NV	025XY014NV	025XY017NV	none	025XY012NV
Potential production (lb/acre):						
Favorable years		900	1000	900		1400
Normal years		700	800	700		1000
Unfavorable years		400	600	400		700

1628--Cleavage-Chen-Reluctan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cleavage	Chen	Reluctan	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	30-50	30-50	30-40	---	---	---	---
Nevada bluegrass	PONE3	---	---	2-5	---	---	5-10	---
Thurber needlegrass	STTH2	---	---	---	10-20	10-20	---	---
basin wildrye	ELCI2	---	---	2-10	2-8	2-8	60-70	---
bluebunch wheatgrass	AGSP	15-30	15-30	15-30	20-35	20-35	---	---
bluegrass	POA++	2-10	2-10	---	2-10	2-10	---	---
mat muhly	MURI	---	---	---	---	---	2-8	---
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-5	2-5	5-10	2-8	2-8	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
big sagebrush	ARTR2	---	---	---	10-20	10-20	---	---
low sagebrush	ARAR8	15-25	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	10-20	---	---	---	---
Range site number		025XY017NV	025XY017NV	025XY012NV	025XY014NV	025XY014NV	025XY003NV	none
Potential production (lb/acre):								
Favorable years		900	900	1400	1000	1000	4500	
Normal years		700	700	1000	800	800	3500	
Unfavorable years		400	400	700	600	600	2000	

1640--Tusk-Cleavage-Hackwood association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Tusk	Cleavage	Hackwood	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	2-5	---	---	---	---	---	---
Idaho fescue	FEID	2-10	5-30	X	---	2-5	---	30-40
Nevada bluegrass	PONE3	2-5	---	---	---	2-5	5-10	2-5
Thurber needlegrass	STTH2	---	---	---	---	2-8	---	---
alpine timothy	PHAL2	---	---	---	---	---	5-10	---
basin wildrye	ELCI2	---	---	---	---	5-10	---	2-10
bluebunch wheatgrass	AGSP	2-5	---	---	---	50-60	---	15-30
bluegrass	POA++	---	5-15	---	---	---	---	---
horsemint giant hyssop	AGUR	---	---	X	---	---	---	---
mountain brome	BRCA5	5-15	---	X	---	---	---	---
sedge	CAREX	---	---	---	---	---	5-10	---
slender wheatgrass	AGTR	5-15	---	X	---	---	---	---
spike-fescue	LEKI2	2-10	---	---	---	---	---	---
tufted hairgrass	DECE	---	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	---	2-5	---
arrowleaf balsamroot	BASA3	---	---	---	---	---	---	2-5
cinquefoil	POTEN	---	---	---	---	---	2-5	---
goldenweed	HAPLO2	---	2-5	---	---	---	---	---
groundsel	SENEC	---	---	X	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	---	---	---	---	2-5
Utah serviceberry	AMUT	1-5	---	X	---	---	---	---
antelope bitterbrush	PUTR2	1-5	---	---	---	2-10	---	5-10
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	1-5	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	---	---	---	5-15	---	10-20
sagebrush	ARTEM	---	30-35	---	---	---	---	---
snowberry	SYMPH	2-15	---	X	---	---	---	---
quaking aspen	POTRT	---	---	X	---	---	---	---
Range site number		025XY004NV	025XY024NV	025XY065NV	none	025XY009NV	025XY005NV	025XY012NV
Potential production (lb/acre):								
Favorable years		2800	400	800		1300	3000	1400
Normal years		1800	275	600		900	1700	1000
Unfavorable years		1200	150	400		700	1000	700

1650--Ninemile-Tusk-Ninemile, steep association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Ninemile	Tusk	Ninemile	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	2-5	---	---	---	---	---
Cusick bluegrass	POCU3	---	---	---	5-10	---	---	---
Idaho fescue	FEID	30-50	2-10	30-50	50-65	---	30-40	---
Nevada bluegrass	PONE3	---	2-5	---	---	---	2-5	40-60
alpine timothy	PHAL2	---	---	---	---	---	---	20-40
basin wildrye	ELCI2	---	---	---	---	---	2-10	2-8
bluebunch wheatgrass	AGSP	15-30	2-5	15-30	2-5	---	15-30	---
bluegrass	POA++	2-10	---	2-10	---	---	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
meadow barley	HOBR2	---	---	---	---	---	---	2-5
mountain brome	BRCA5	---	5-15	---	---	---	---	---
sedge	CAREX	---	---	---	---	---	---	2-8
slender wheatgrass	AGTR	---	5-15	---	---	---	---	---
spike-fescue	LEKI2	---	2-10	---	---	---	---	---
arrowleaf balsamroot	BASA3	---	---	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	---	---	---	---	2-5	---
Utah serviceberry	AMUT	---	1-5	---	---	---	---	---
antelope bitterbrush	PUTR2	2-5	1-5	2-5	---	---	5-10	---
common chokecherry	PRVI	---	1-5	---	---	---	---	---
low sagebrush	ARAR8	15-25	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	---	5-15	---	2-8	---	10-20	---
snowberry	SYMPH	---	2-15	---	---	---	---	---
Range site number		025XY017NV	025XY004NV	025XY017NV	025XY010NV	none	025XY012NV	025XY006NV
Potential production (lb/acre):								
Favorable years		900	2800	900	1200		1400	2000
Normal years		700	1800	700	800		1000	1300
Unfavorable years		400	1200	400	600		700	800

1651--Ninemile-Reluctan-Ninemile, moderately steep association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Ninemile	Reluctan	Ninemile	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Cusick bluegrass	POCU3	---	---	---	---	---	5-10	---
Idaho fescue	FEID	30-50	30-40	30-50	---	---	50-65	2-5
Nevada bluegrass	PONE3	---	2-5	---	---	40-60	---	2-5
Thurber needlegrass	STTH2	---	---	---	---	---	---	2-8
alpine timothy	PHAL2	---	---	---	---	20-40	---	---
basin wildrye	ELCI2	---	2-10	---	---	2-8	---	5-10
bluebunch wheatgrass	AGSP	15-30	15-30	15-30	---	---	2-5	50-60
bluegrass	POA++	2-10	---	2-10	---	---	---	---
mat muhly	MURI	---	---	---	---	2-8	---	---
meadow barley	HOBR2	---	---	---	---	2-5	---	---
sedge	CAREX	---	---	---	---	2-8	---	---
arrowleaf balsamroot	BASA3	---	2-5	---	---	---	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	---	---	---	---
antelope bitterbrush	PUTR2	2-5	5-10	2-5	---	---	---	2-10
low sagebrush	ARAR8	15-25	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	---	10-20	---	---	---	2-8	5-15
Range site number		025XY017NV	025XY012NV	025XY017NV	none	025XY006NV	025XY010NV	025XY009NV
Potential production (lb/acre):								
Favorable years		900	1400	900		2000	1200	1300
Normal years		700	1000	700		1300	800	900
Unfavorable years		400	700	400		800	600	700

1652--Ninemile, steep-Graley-Ninemile association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Ninemile	Graley	Ninemile	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Cusick bluegrass	POCU3	---	---	---	---	---	5-10	---
Idaho fescue	FEID	30-50	30-40	30-50	---	---	50-65	2-5
Nevada bluegrass	PONE3	---	2-5	---	---	5-10	---	2-5
Thurber needlegrass	STTH2	---	---	---	---	---	---	2-8
alpine timothy	PHAL2	---	---	---	---	5-10	---	---
basin wildrye	ELCI2	---	2-10	---	---	---	---	5-10
bluebunch wheatgrass	AGSP	15-30	15-30	15-30	---	---	2-5	50-60
bluegrass	POA++	2-10	---	2-10	---	---	---	---
sedge	CAREX	---	---	---	---	5-10	---	---
tufted hairgrass	DECE	---	---	---	---	30-60	---	---
Sierra clover	TRWO	---	---	---	---	2-5	---	---
arrowleaf balsamroot	BASA3	---	2-5	---	---	---	---	---
cinquefoil	POTEN	---	---	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	---	---	---	---
antelope bitterbrush	PUTR2	2-5	5-10	2-5	---	---	---	2-10
low sagebrush	ARAR8	15-25	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	---	10-20	---	---	---	2-8	5-15
Range site number		025XY017NV	025XY012NV	025XY017NV	none	025XY005NV	025XY010NV	025XY009NV
Potential production (lb/acre):								
Favorable years		900	1400	900		3000	1200	1300
Normal years		700	1000	700		1700	800	900
Unfavorable years		400	700	400		1000	600	700

1653--Ninemile-Reluctan-Graley association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Ninemile	Reluctan	Graley	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	30-50	30-40	30-40	---	---	---
Nevada bluegrass	PONE3	---	2-5	2-5	---	5-10	40-60
alpine timothy	PHAL2	---	---	---	---	5-10	20-40
basin wildrye	ELCI2	---	2-10	2-10	---	---	2-8
bluebunch wheatgrass	AGSP	15-30	15-30	15-30	---	---	---
bluegrass	POA++	2-10	---	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8
meadow barley	HOBR2	---	---	---	---	---	2-5
sedge	CAREX	---	---	---	---	5-10	2-8
tufted hairgrass	DECE	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	2-5	---
arrowleaf balsamroot	BASA3	---	2-5	2-5	---	---	---
cinquefoil	POTEN	---	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	2-5	2-5	---	---	---
antelope bitterbrush	PUTR2	2-5	5-10	5-10	---	---	---
low sagebrush	ARAR8	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	10-20	10-20	---	---	---
Range site number		025XY017NV	025XY012NV	025XY012NV	none	025XY005NV	025XY006NV
Potential production (lb/acre):							
Favorable years		900	1400	1400		3000	2000
Normal years		700	1000	1000		1700	1300
Unfavorable years		400	700	700		1000	800

1655--Ninemile-Thwoop-Pequop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Ninemile	Thwoop	Pequop	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	30-50	---	30-40	---	---	---	5-15
Nevada bluegrass	PONE3	---	---	2-5	---	---	---	---
Thurber needlegrass	STTH2	---	10-20	---	10-20	10-20	---	---
basin wildrye	ELCI2	---	2-8	2-10	2-8	2-8	---	---
bluebunch wheatgrass	AGSP	15-30	20-35	15-30	20-35	20-35	---	2-10
bluegrass	POA++	2-10	2-10	---	2-10	2-10	---	---
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---	---
Saskatoon serviceberry	AMAL2	---	---	---	---	---	---	---
Utah serviceberry	AMUT	---	---	---	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-5	2-8	5-10	2-8	2-8	---	2-8
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	10-20	---	10-20	10-20	---	---
low sagebrush	ARAR8	15-25	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	10-20	---	---	---	2-5
serviceberry	AMELA	---	---	---	---	---	---	40-50
snowberry	SYMPH	---	---	---	---	---	---	2-8
Range site number		025XY017NV	025XY014NV	025XY012NV	025XY014NV	025XY014NV	none	025XY046NV
Potential production (lb/acre):								
Favorable years		900	1000	1400	1000	1000		1800
Normal years		700	800	1000	800	800		1300
Unfavorable years		400	600	700	600	600		900

1656--Ninemile-Pequop-Gumble association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Ninemile	Pequop	Gumble	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	30-50	30-40	---	30-40	---	---
Nevada bluegrass	PONE3	---	2-5	---	2-5	---	5-10
Sandberg bluegrass	POSE	---	---	---	---	2-8	---
Thurber needlegrass	STTH2	---	---	5-15	---	15-30	---
Webber ricegrass	STWE	---	---	---	---	2-8	---
basin wildrye	ELCI2	---	2-10	2-5	2-10	---	60-70
bluebunch wheatgrass	AGSP	15-30	15-30	60-80	15-30	20-40	---
bluegrass	POA++	2-10	---	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8
arrowleaf balsamroot	BASA3	---	2-5	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	2-5	---	---
Wyoming big sagebrush	ARTRW	---	---	5-15	---	---	---
antelope bitterbrush	PUTR2	2-5	5-10	1-5	5-10	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	10-20	---	10-20	---	---
sagebrush	ARTEM	---	---	---	---	20-30	---
Range site number		025XY017NV	025XY012NV	025XY015NV	025XY012NV	025XY018NV	025XY003NV
Potential production (lb/acre):							
Favorable years		900	1400	1000	1400	800	4500
Normal years		700	1000	700	1000	600	3500
Unfavorable years		400	700	500	700	400	2000

1657--Ninemile-Alyan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Ninemile	Alyan	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---
Idaho fescue	FEID	30-50	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	5-10	40-60
Sandberg bluegrass	POSE	---	---	2-5	2-8	---	---
Thurber needlegrass	STTH2	---	10-20	15-25	15-30	---	---
Webber ricegrass	STWE	---	---	---	2-8	---	---
alpine timothy	PHAL2	---	---	---	---	---	20-40
basin wildrye	ELCI2	---	2-8	---	---	60-70	2-8
bluebunch wheatgrass	AGSP	15-30	20-35	25-40	20-40	---	---
bluegrass	POA++	2-10	2-10	---	---	---	---
mat muhly	MURI	---	---	---	---	2-8	2-8
meadow barley	HOBR2	---	---	---	---	---	2-5
sedge	CAREX	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---
Wyoming big sagebrush	ARTRW	---	---	15-25	---	---	---
antelope bitterbrush	PUTR2	2-5	2-8	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	5-10	---
big sagebrush	ARTR2	---	10-20	---	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
sagebrush	ARTEM	---	---	---	20-30	---	---
Range site number		025XY017NV	025XY014NV	025XY019NV	025XY018NV	025XY003NV	025XY006NV
Potential production (lb/acre):							
Favorable years		900	1000	800	800	4500	2000
Normal years		700	800	600	600	3500	1300
Unfavorable years		400	600	400	400	2000	800

1658--Ninemile-Vanwyper-Ninemile, moderately steep association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Ninemile	Vanwyper	Ninemile	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Idaho fescue	FEID	30-50	---	30-50	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---
Thurber needlegrass	STTH2	---	5-15	---	10-20	---	---
basin wildrye	ELCI2	---	2-5	---	2-8	---	---
bluebunch wheatgrass	AGSP	15-30	60-80	15-30	20-35	---	---
bluegrass	POA++	2-10	---	2-10	2-10	---	---
Wyoming big sagebrush	ARTRW	---	5-15	---	---	---	---
antelope bitterbrush	PUTR2	2-5	1-5	2-5	2-8	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	10-20	---	---
low sagebrush	ARAR8	15-25	---	15-25	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
Range site number		025XY017NV	025XY015NV	025XY017NV	025XY014NV	none	none
Potential production (lb/acre):							
Favorable years		900	1000	900	1000		
Normal years		700	700	700	800		
Unfavorable years		400	500	400	600		

1659--Ninemile-Carstump association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Ninemile	Carstump	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---
Idaho fescue	FEID	30-50	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---
Thurber needlegrass	STTH2	---	10-20	10-20	5-15	---	---
basin wildrye	ELCI2	---	2-8	2-8	2-5	---	---
bluebunch wheatgrass	AGSP	15-30	20-35	20-35	60-80	---	---
bluegrass	POA++	2-10	2-10	2-10	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	5-15	---	---
antelope bitterbrush	PUTR2	2-5	2-8	2-8	1-5	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	---	10-20	10-20	---	---	---
low sagebrush	ARAR8	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
Range site number		025XY017NV	025XY014NV	025XY014NV	025XY015NV	none	none
Potential production (lb/acre):							
Favorable years		900	1000	1000	1000		
Normal years		700	800	800	700		
Unfavorable years		400	600	600	500		

1660--Susie Creek-Pie Creek-Pattani association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Susie Creek	Pie Creek	Pattani	Inclusion 1	Inclusion 2
Canby bluegrass	POCA	---	---	---	---	---
Idaho fescue	FEID	---	---	---	30-40	---
Nevada bluegrass	PONE3	---	---	---	2-5	---
Sandberg bluegrass	POSE	---	2-8	---	---	---
Thurber needlegrass	STTH2	10-20	15-30	5-15	---	5-15
Webber ricegrass	STWE	---	2-8	---	---	---
basin wildrye	ELCI2	2-8	---	30-50	2-10	2-5
bluebunch wheatgrass	AGSP	20-35	20-40	5-15	15-30	60-80
bluegrass	POA++	2-10	---	---	---	---
arrowleaf balsamroot	BASA3	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	---	---	---	---	5-15
antelope bitterbrush	PUTR2	2-8	---	---	5-10	1-5
basin big sagebrush	ARTRT	---	---	---	---	---
big sagebrush	ARTR2	10-20	---	10-20	---	---
early sagebrush	ARLO9	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	10-20	---
sagebrush	ARTEM	---	20-30	---	---	---
Range site number		025XY014NV	025XY018NV	025XY013NV	025XY012NV	025XY015NV
Potential production (lb/acre):						
Favorable years		1000	800	1000	1400	1000
Normal years		800	600	800	1000	700
Unfavorable years		600	400	500	700	500

1671--Linkup-Carstump-Linkup, very cobbly loam association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Linkup	Carstump	Linkup	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	5-10	---	5-10	40-60
Sandberg bluegrass	POSE	2-8	---	2-8	---	---	---	---
Thurber needlegrass	STTH2	15-30	10-20	15-30	---	---	---	---
Webber ricegrass	STWE	2-8	---	2-8	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	5-10	20-40
basin wildrye	ELCI2	---	2-8	---	60-70	---	---	2-8
bluebunch wheatgrass	AGSP	20-40	20-35	20-40	---	---	---	---
bluegrass	POA++	---	2-10	---	---	---	---	---
mat muhly	MURI	---	---	---	2-8	---	---	2-8
meadow barley	HOBR2	---	---	---	---	---	---	2-5
sedge	CAREX	---	---	---	---	---	5-10	2-8
streambank wheatgrass	AGDAR	---	---	---	2-8	---	---	---
tufted hairgrass	DECE	---	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	---	2-5	---
cinquefoil	POTEN	---	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	---	2-8	---	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	5-10	---	---	---
big sagebrush	ARTR2	---	10-20	---	---	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
sagebrush	ARTEM	20-30	---	20-30	---	---	---	---
Range site number		025XY018NV	025XY014NV	025XY018NV	025XY003NV	none	025XY005NV	025XY006NV
Potential production (lb/acre):								
Favorable years		800	1000	800	4500		3000	2000
Normal years		600	800	600	3500		1700	1300
Unfavorable years		400	600	400	2000		1000	800

1672--Linkup, steep-Carstump-Linkup association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Linkup	Carstump	Linkup	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	---	---	30-40	---
Nevada bluegrass	PONE3	---	---	---	---	5-10	2-5	5-10
Sandberg bluegrass	POSE	2-8	---	2-8	---	---	---	---
Thurber needlegrass	STTH2	15-30	10-20	15-30	---	---	---	---
Webber ricegrass	STWE	2-8	---	2-8	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	5-10	---	---
basin wildrye	ELCI2	---	2-8	---	---	---	2-10	60-70
bluebunch wheatgrass	AGSP	20-40	20-35	20-40	---	---	15-30	---
bluegrass	POA++	---	2-10	---	---	---	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
sedge	CAREX	---	---	---	---	5-10	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
tufted hairgrass	DECE	---	---	---	---	30-60	---	---
Sierra clover	TRWO	---	---	---	---	2-5	---	---
arrowleaf balsamroot	BASA3	---	---	---	---	---	2-5	---
cinquefoil	POTEN	---	---	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	---	2-8	---	---	---	5-10	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
big sagebrush	ARTR2	---	10-20	---	---	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	10-20	---
sagebrush	ARTEM	20-30	---	20-30	---	---	---	---
Range site number		025XY018NV	025XY014NV	025XY018NV	none	025XY005NV	025XY012NV	025XY003NV
Potential production (lb/acre):								
Favorable years		800	1000	800		3000	1400	4500
Normal years		600	800	600		1700	1000	3500
Unfavorable years		400	600	400		1000	700	2000

1673--Linkup-Quarz-Alyan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Linkup	Quarz	Alyan	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	---	2-5	30-40	30-40	---	---
Nevada bluegrass	PONE3	---	2-5	2-5	2-5	---	5-10
Sandberg bluegrass	POSE	2-8	---	---	---	---	---
Thurber needlegrass	STTH2	15-30	2-8	---	---	---	---
Webber ricegrass	STWE	2-8	---	---	---	---	---
basin wildrye	ELCI2	---	5-10	2-10	2-10	---	60-70
bluebunch wheatgrass	AGSP	20-40	50-60	15-30	15-30	---	---
mat muhly	MURI	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8
arrowleaf balsamroot	BASA3	---	---	2-5	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	2-5	---	---
antelope bitterbrush	PUTR2	---	2-10	5-10	5-10	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	5-15	10-20	10-20	---	---
sagebrush	ARTEM	20-30	---	---	---	---	---
Range site number		025XY018NV	025XY009NV	025XY012NV	025XY012NV	none	025XY003NV
Potential production (lb/acre):							
Favorable years		800	1300	1400	1400		4500
Normal years		600	900	1000	1000		3500
Unfavorable years		400	700	700	700		2000

1675--Linkup-Snowmore-Ratsow association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Linkup	Snowmore	Ratsow	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	---
Sandberg bluegrass	POSE	2-8	2-5	---	2-8	2-5	---	---
Thurber needlegrass	STTH2	15-30	15-25	10-20	15-30	15-25	---	---
Webber ricegrass	STWE	2-8	---	---	2-8	---	---	---
basin wildrye	ELCI2	---	---	2-8	---	---	---	---
bluebunch wheatgrass	AGSP	20-40	25-40	20-35	20-40	25-40	---	---
bluegrass	POA++	---	---	2-10	---	---	---	---
Wyoming big sagebrush	ARTRW	---	15-25	---	---	15-25	---	---
antelope bitterbrush	PUTR2	---	---	2-8	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	10-20	---	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
sagebrush	ARTEM	20-30	---	---	20-30	---	---	---
Range site number		025XY018NV	025XY019NV	025XY014NV	025XY018NV	025XY019NV	none	none
Potential production (lb/acre):								
Favorable years		800	800	1000	800	800		
Normal years		600	600	800	600	600		
Unfavorable years		400	400	600	400	400		

1676--Linkup-Quarz association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Linkup	Quarz	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	5-10
Sandberg bluegrass	POSE	2-8	---	---	---	---
Thurber needlegrass	STTH2	15-30	10-20	5-15	---	---
Webber ricegrass	STWE	2-8	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	5-10
basin wildrye	ELCI2	---	2-8	2-5	---	---
bluebunch wheatgrass	AGSP	20-40	20-35	60-80	---	---
bluegrass	POA++	---	2-10	---	---	---
sedge	CAREX	---	---	---	---	5-10
tufted hairgrass	DECE	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	2-5
cinquefoil	POTEN	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	---	5-15	---	---
antelope bitterbrush	PUTR2	---	2-8	1-5	---	---
basin big sagebrush	ARTRT	---	---	---	---	---
big sagebrush	ARTR2	---	10-20	---	---	---
early sagebrush	ARLO9	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---
sagebrush	ARTEM	20-30	---	---	---	---
Range site number		025XY018NV	025XY014NV	025XY015NV	none	025XY005NV
Potential production (lb/acre):						
Favorable years		800	1000	1000		3000
Normal years		600	800	700		1700
Unfavorable years		400	600	500		1000

1680--Carstump-Reluctan-Ninemile association, hilly

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Carstump	Reluctan	Ninemile	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Cusick bluegrass	POCU3	---	---	---	---	5-10	---	---
Idaho fescue	FEID	---	30-40	30-50	---	50-65	5-30	---
Nevada bluegrass	PONE3	---	2-5	---	---	---	---	5-10
Thurber needlegrass	STTH2	10-20	---	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	5-10
basin wildrye	ELCI2	2-8	2-10	---	---	---	---	---
bluebunch wheatgrass	AGSP	20-35	15-30	15-30	---	2-5	---	---
bluegrass	POA++	2-10	---	2-10	---	---	5-15	---
sedge	CAREX	---	---	---	---	---	---	5-10
tufted hairgrass	DECE	---	---	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	---	---	2-5
arrowleaf balsamroot	BASA3	---	2-5	---	---	---	---	---
cinquefoil	POTEN	---	---	---	---	---	---	2-5
goldenweed	HAPLO2	---	---	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	2-5	---	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-8	5-10	2-5	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	10-20	---	---	---	---	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	---	10-20	---	---	2-8	---	---
sagebrush	ARTEM	---	---	---	---	---	30-35	---
Range site number		025XY014NV	025XY012NV	025XY017NV	none	025XY010NV	025XY024NV	025XY005NV
Potential production (lb/acre):								
Favorable years		1000	1400	900		1200	400	3000
Normal years		800	1000	700		800	275	1700
Unfavorable years		600	700	400		600	150	1000

1685--Carstump-Ninemile-Graley association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Carstump	Ninemile	Graley	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	---	30-50	30-40	---	---	---	---
Nevada bluegrass	PONE3	---	---	2-5	---	5-10	40-60	5-10
Thurber needlegrass	STTH2	10-20	---	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	5-10	20-40	---
basin wildrye	ELCI2	2-8	---	2-10	---	---	2-8	60-70
bluebunch wheatgrass	AGSP	20-35	15-30	15-30	---	---	---	---
bluegrass	POA++	2-10	2-10	---	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8	2-8
meadow barley	HOBR2	---	---	---	---	---	2-5	---
sedge	CAREX	---	---	---	---	5-10	2-8	---
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
tufted hairgrass	DECE	---	---	---	---	30-60	---	---
Sierra clover	TRWO	---	---	---	---	2-5	---	---
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---	---
cinquefoil	POTEN	---	---	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-8	2-5	5-10	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
big sagebrush	ARTR2	10-20	---	---	---	---	---	---
low sagebrush	ARAR8	---	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	10-20	---	---	---	---
Range site number		025XY014NV	025XY017NV	025XY012NV	none	025XY005NV	025XY006NV	025XY003NV
Potential production (lb/acre):								
Favorable years		1000	900	1400		3000	2000	4500
Normal years		800	700	1000		1700	1300	3500
Unfavorable years		600	400	700		1000	800	2000

1686--Carstump-Reluctan-Ninemile association, steep

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Carstump	Reluctan	Ninemile	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Cusick bluegrass	POCU3	---	---	---	---	5-10	---	---
Idaho fescue	FEID	---	30-40	30-50	---	50-65	---	---
Nevada bluegrass	PONE3	---	2-5	---	---	---	5-10	5-10
Thurber needlegrass	STTH2	10-20	---	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	5-10
basin wildrye	ELCI2	2-8	2-10	---	---	---	60-70	---
bluebunch wheatgrass	AGSP	20-35	15-30	15-30	---	2-5	---	---
bluegrass	POA++	2-10	---	2-10	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8	---
sedge	CAREX	---	---	---	---	---	---	5-10
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
tufted hairgrass	DECE	---	---	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	---	---	2-5
arrowleaf balsamroot	BASA3	---	2-5	---	---	---	---	---
cinquefoil	POTEN	---	---	---	---	---	---	2-5
tapertip hawksbeard	CRAC2	---	2-5	---	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-8	5-10	2-5	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
big sagebrush	ARTR2	10-20	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	---	10-20	---	---	2-8	---	---
Range site number		025XY014NV	025XY012NV	025XY017NV	none	025XY010NV	025XY003NV	025XY005NV
Potential production (lb/acre):								
Favorable years		1000	1400	900		1200	4500	3000
Normal years		800	1000	700		800	3500	1700
Unfavorable years		600	700	400		600	2000	1000

1687--Carstump, cobbly loam-Linkup-Carstump association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Carstump	Linkup	Carstump	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	---	30-40	---	---
Nevada bluegrass	PONE3	---	---	---	---	2-5	5-10	---
Sandberg bluegrass	POSE	---	2-8	---	---	---	---	---
Thurber needlegrass	STTH2	10-20	15-30	10-20	---	---	---	---
Webber ricegrass	STWE	---	2-8	---	---	---	---	---
basin wildrye	ELCI2	2-8	---	2-8	---	2-10	60-70	---
bluebunch wheatgrass	AGSP	20-35	20-40	20-35	---	15-30	---	---
bluegrass	POA++	2-10	---	2-10	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8	---
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-8	---	2-8	---	5-10	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
big sagebrush	ARTR2	10-20	---	10-20	---	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	10-20	---	---
sagebrush	ARTEM	---	20-30	---	---	---	---	---
Range site number		025XY014NV	025XY018NV	025XY014NV	none	025XY012NV	025XY003NV	none
Potential production (lb/acre):								
Favorable years		1000	800	1000		1400	4500	
Normal years		800	600	800		1000	3500	
Unfavorable years		600	400	600		700	2000	

1691--Pequop-Rock outcrop-Rubble land association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Pequop	Rock outcrop	Rubble land	Inclusion 1
Idaho fescue	FEID	30-40	---	---	30-40
Nevada bluegrass	PONE3	2-5	---	---	2-5
basin wildrye	ELCI2	2-10	---	---	2-10
bluebunch wheatgrass	AGSP	15-30	---	---	15-30
arrowleaf balsamroot	BASA3	2-5	---	---	2-5
tapertip hawksbeard	CRAC2	2-5	---	---	2-5
antelope bitterbrush	PUTR2	5-10	---	---	5-10
mountain big sagebrush	ARVA2	10-20	---	---	10-20
Range site number		025XY012NV	none	none	025XY012NV
Potential production (lb/acre):					
Favorable years		1400			1400
Normal years		1000			1000
Unfavorable years		700			700

1700--Cotant-Quarz-Ninemile association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Cotant	Quarz	Ninemile	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	---	---	---	2-5
Idaho fescue	FEID	30-50	2-5	30-50	---	30-40	---	2-10
Nevada bluegrass	PONE3	---	2-5	---	40-60	2-5	5-10	2-5
Thurber needlegrass	STTH2	---	2-8	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	20-40	---	---	---
basin wildrye	ELCI2	---	5-10	---	2-8	2-10	60-70	---
bluebunch wheatgrass	AGSP	15-30	50-60	15-30	---	15-30	---	2-5
bluegrass	POA++	2-10	---	2-10	---	---	---	---
mat muhly	MURI	---	---	---	2-8	---	2-8	---
meadow barley	HOBR2	---	---	---	2-5	---	---	---
mountain brome	BRCA5	---	---	---	---	---	---	5-15
sedge	CAREX	---	---	---	2-8	---	---	---
slender wheatgrass	AGTR	---	---	---	---	---	---	5-15
spike-fescue	LEKI2	---	---	---	---	---	---	2-10
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	---	---	2-5	---	---
Utah serviceberry	AMUT	---	---	---	---	---	---	1-5
antelope bitterbrush	PUTR2	2-5	2-10	2-5	---	5-10	---	1-5
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
common chokecherry	PRVI	---	---	---	---	---	---	1-5
low sagebrush	ARAR8	15-25	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	---	5-15	---	---	10-20	---	5-15
snowberry	SYMPH	---	---	---	---	---	---	2-15
Range site number		025XY017NV	025XY009NV	025XY017NV	025XY006NV	025XY012NV	025XY003NV	025XY004NV
Potential production (lb/acre):								
Favorable years		900	1300	900	2000	1400	4500	2800
Normal years		700	900	700	1300	1000	3500	1800
Unfavorable years		400	700	400	800	700	2000	1200

1702--Cotant-McIvey-Blitzen association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Cotant	McIvey	Blitzen	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Idaho fescue	FEID	30-50	30-40	2-5	---	---	---
Nevada bluegrass	PONE3	---	2-5	2-5	---	---	---
Sandberg bluegrass	POSE	---	---	---	2-8	---	---
Thurber needlegrass	STTH2	---	---	2-8	15-30	10-20	10-20
Webber ricegrass	STWE	---	---	---	2-8	---	---
basin wildrye	ELCI2	---	2-10	5-10	---	2-8	2-8
bluebunch wheatgrass	AGSP	15-30	15-30	50-60	20-40	20-35	20-35
bluegrass	POA++	2-10	---	---	---	2-10	2-10
arrowleaf balsamroot	BASA3	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-5	5-10	2-10	---	2-8	2-8
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	10-20	10-20
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	10-20	5-15	---	---	---
sagebrush	ARTEM	---	---	---	20-30	---	---
Range site number		025XY017NV	025XY012NV	025XY009NV	025XY018NV	025XY014NV	025XY014NV
Potential production (lb/acre):							
Favorable years		900	1400	1300	800	1000	1000
Normal years		700	1000	900	600	800	800
Unfavorable years		400	700	700	400	600	600

1703--Cotant-Lerrow-Bullump association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Cotant	Lerrow	Bullump	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	30-50	2-5	2-10	30-40	40-60	---
Letterman needlegrass	STLE4	---	---	2-5	---	---	---
Nevada bluegrass	PONE3	---	2-5	2-5	2-5	2-8	---
Thurber needlegrass	STTH2	---	2-8	---	---	---	---
basin wildrye	ELCI2	---	5-10	5-15	2-10	2-8	---
bluebunch wheatgrass	AGSP	15-30	50-60	30-50	15-30	5-15	---
bluegrass	POA++	2-10	---	---	---	---	---
mountain brome	BRCA5	---	---	20-40	---	---	---
spike-fescue	LEKI2	---	---	2-5	---	---	---
arrowleaf balsamroot	BASA3	---	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	---	2-5	---	---
antelope bitterbrush	PUTR2	2-5	2-10	5-10	5-10	---	---
basin big sagebrush	ARTRT	---	---	---	---	10-20	---
low sagebrush	ARAR8	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	5-15	5-15	10-20	---	---
Range site number		025XY017NV	025XY009NV	025XY016NV	025XY012NV	025XY027NV	none
Potential production (lb/acre):							
Favorable years		900	1300	2000	1400	1300	
Normal years		700	900	1400	1000	900	
Unfavorable years		400	700	1000	700	500	

1711--Reluctan-Ninemile-Cleavage association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Reluctan	Ninemile	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-40	30-50	5-30	X	---	---	---
Nevada bluegrass	PONE3	2-5	---	---	---	5-10	5-10	40-60
alpine timothy	PHAL2	---	---	---	---	---	5-10	20-40
basin wildrye	ELCI2	2-10	---	---	---	60-70	---	2-8
bluebunch wheatgrass	AGSP	15-30	15-30	---	---	---	---	---
bluegrass	POA++	---	2-10	5-15	---	---	---	---
horsemint giant hyssop	AGUR	---	---	---	X	---	---	---
mat muhly	MURI	---	---	---	---	2-8	---	2-8
meadow barley	HOBR2	---	---	---	---	---	---	2-5
mountain brome	BRCA5	---	---	---	X	---	---	---
sedge	CAREX	---	---	---	---	---	5-10	2-8
slender wheatgrass	AGTR	---	---	---	X	---	---	---
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---	---
tufted hairgrass	DECE	---	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	---	2-5	---
arrowleaf balsamroot	BASA3	2-5	---	---	---	---	---	---
cinquefoil	POTEN	---	---	---	---	---	2-5	---
goldenweed	HAPLO2	---	---	2-5	---	---	---	---
groundsel	SENEC	---	---	---	X	---	---	---
tapertip hawksbeard	CRAC2	2-5	---	---	---	---	---	---
Utah serviceberry	AMUT	---	---	---	X	---	---	---
antelope bitterbrush	PUTR2	5-10	2-5	---	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	5-10	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	10-20	---	---	---	---	---	---
sagebrush	ARTEM	---	---	30-35	---	---	---	---
snowberry	SYMPH	---	---	---	X	---	---	---
quaking aspen	POTRT	---	---	---	X	---	---	---

Range site number	025XY012NV	025XY017NV	025XY024NV	025XY065NV	025XY003NV	025XY005NV	025XY006NV
Potential production (lb/acre):							
Favorable years	1400	900	400	800	4500	3000	2000
Normal years	1000	700	275	600	3500	1700	1300
Unfavorable years	700	400	150	400	2000	1000	800

1712--Reluctan-Sumine-Cleavage association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Reluctan	Sumine	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	2-5	---	---	---
Cusick bluegrass	POCU3	---	---	---	---	---	5-10	---
Idaho fescue	FEID	30-40	2-5	30-50	2-10	15-30	50-65	---
Nevada bluegrass	PONE3	2-5	2-5	---	2-5	---	---	5-10
Thurber needlegrass	STTH2	---	2-8	---	---	2-5	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	5-10
basin wildrye	ELCI2	2-10	5-10	---	---	---	---	---
bluebunch wheatgrass	AGSP	15-30	50-60	15-30	2-5	10-20	2-5	---
bluegrass	POA++	---	---	2-10	---	---	---	---
mountain brome	BRCA5	---	---	---	5-15	---	---	---
sedge	CAREX	---	---	---	---	---	---	5-10
slender wheatgrass	AGTR	---	---	---	5-15	---	---	---
spike-fescue	LEKI2	---	---	---	2-10	---	---	---
tufted hairgrass	DECE	---	---	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	---	---	2-5
arrowleaf balsamroot	BASA3	2-5	---	---	---	---	---	---
cinquefoil	POTEN	---	---	---	---	---	---	2-5
tapertip hawksbeard	CRAC2	2-5	---	---	---	---	---	---
Utah serviceberry	AMUT	---	---	---	1-5	---	---	---
antelope bitterbrush	PUTR2	5-10	2-10	2-5	1-5	20-40	---	---
common chokecherry	PRVI	---	---	---	1-5	---	---	---
low sagebrush	ARAR8	---	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	10-20	5-15	---	5-15	5-10	2-8	---
snowberry	SYMPH	---	---	---	2-15	---	---	---

Range site number	025XY012NV	025XY009NV	025XY017NV	025XY004NV	025XY007NV	025XY010NV	025XY005NV
Potential production (lb/acre):							
Favorable years	1400	1300	900	2800	2300	1200	3000
Normal years	1000	900	700	1800	1400	800	1700
Unfavorable years	700	700	400	1200	900	600	1000

1713--Reluctan-Erakatak-Rugar association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Reluctan	Erakatak	Rugar	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	---	---	2-5	---
Idaho fescue	FEID	30-40	2-10	15-30	---	40-60	2-10	2-5
Letterman needlegrass	STLE4	---	2-5	---	---	---	---	---
Nevada bluegrass	PONE3	2-5	2-5	---	40-60	2-8	2-5	2-5
Thurber needlegrass	STTH2	---	---	---	---	---	---	2-8
alpine timothy	PHAL2	---	---	---	20-40	---	---	---
basin wildrye	ELCI2	2-10	5-15	---	2-8	2-8	---	5-10
bluebunch wheatgrass	AGSP	15-30	30-50	---	---	5-15	2-5	50-60
bulbous oniongrass	MEBU	---	---	2-8	---	---	---	---
mat muhly	MURI	---	---	---	2-8	---	---	---
meadow barley	HOBR2	---	---	---	2-5	---	---	---
mountain brome	BRCA5	---	20-40	10-20	---	---	5-15	---
sedge	CAREX	---	---	---	2-8	---	---	---
slender wheatgrass	AGTR	---	---	2-8	---	---	5-15	---
spike-fescue	LEKI2	---	2-5	---	---	---	2-10	---
arrowleaf balsamroot	BASA3	2-5	---	---	---	---	---	---
lupine	LUPIN	---	---	10-15	---	---	---	---
tapertip hawksbeard	CRAC2	2-5	---	---	---	---	---	---
wyethia	WYETH	---	---	20-30	---	---	---	---
Utah serviceberry	AMUT	---	---	---	---	---	1-5	---
antelope bitterbrush	PUTR2	5-10	5-10	---	---	---	1-5	2-10
basin big sagebrush	ARTRT	---	---	---	---	10-20	---	---
common chokecherry	PRVI	---	---	---	---	---	1-5	---
mountain big sagebrush	ARVA2	10-20	5-15	---	---	---	5-15	5-15
snowberry	SYMPH	---	---	---	---	---	2-15	---

Range site number	025XY012NV	025XY016NV	025XY047NV	025XY006NV	025XY027NV	025XY004NV	025XY009NV
Potential production (lb/acre):							
Favorable years	1400	2000	2000	2000	1300	2800	1300
Normal years	1000	1400	1500	1300	900	1800	900
Unfavorable years	700	1000	1000	800	500	1200	700

1720--Quarz-Alyan-Ninemile association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Quarz	Alyan	Ninemile	Inclusion 1
Idaho fescue	FEID	2-5	30-40	30-50	---
Nevada bluegrass	PONE3	2-5	2-5	---	---
Thurber needlegrass	STTH2	2-8	---	---	---
basin wildrye	ELCI2	5-10	2-10	---	---
bluebunch wheatgrass	AGSP	50-60	15-30	15-30	---
bluegrass	POA++	---	---	2-10	---
arrowleaf balsamroot	BASA3	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	---
antelope bitterbrush	PUTR2	2-10	5-10	2-5	---
low sagebrush	ARAR8	---	---	15-25	---
mountain big sagebrush	ARVA2	5-15	10-20	---	---
Range site number		025XY009NV	025XY012NV	025XY017NV	none
Potential production (lb/acre):					
Favorable years		1300	1400	900	
Normal years		900	1000	700	
Unfavorable years		700	700	400	

1725--Quarz-Cleavage-Loncan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Quarz	Cleavage	Loncan	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	2-5	5-30	30-40	---	30-40	---
Nevada bluegrass	PONE3	2-5	---	2-5	---	2-5	40-60
Thurber needlegrass	STTH2	2-8	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	20-40
basin wildrye	ELCI2	5-10	---	2-10	---	2-10	2-8
bluebunch wheatgrass	AGSP	50-60	---	15-30	---	15-30	---
bluegrass	POA++	---	5-15	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8
meadow barley	HOBR2	---	---	---	---	---	2-5
sedge	CAREX	---	---	---	---	---	2-8
arrowleaf balsamroot	BASA3	---	---	2-5	---	2-5	---
goldenweed	HAPLO2	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	2-5	---
antelope bitterbrush	PUTR2	2-10	---	5-10	---	5-10	---
black sagebrush	ARARN	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	---	10-20	---	10-20	---
sagebrush	ARTEM	---	30-35	---	---	---	---
Range site number		025XY009NV	025XY024NV	025XY012NV	none	025XY012NV	025XY006NV
Potential production (lb/acre):							
Favorable years		1300	400	1400		1400	2000
Normal years		900	275	1000		1000	1300
Unfavorable years		700	150	700		700	800

1726--Quarz-Ninemile-Pequop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Quarz	Ninemile	Pequop	Inclusion 1	Inclusion 2
Cusick bluegrass	POCU3	---	---	---	---	5-10
Idaho fescue	FEID	2-5	30-50	30-40	---	50-65
Nevada bluegrass	PONE3	2-5	---	2-5	---	---
Thurber needlegrass	STTH2	2-8	---	---	---	---
basin wildrye	ELCI2	5-10	---	2-10	---	---
bluebunch wheatgrass	AGSP	50-60	15-30	15-30	---	2-5
bluegrass	POA++	---	2-10	---	---	---
arrowleaf balsamroot	BASA3	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---
antelope bitterbrush	PUTR2	2-10	2-5	5-10	---	---
low sagebrush	ARAR8	---	15-25	---	---	---
mountain big sagebrush	ARVA2	5-15	---	10-20	---	2-8
Range site number		025XY009NV	025XY017NV	025XY012NV	none	025XY010NV
Potential production (lb/acre):						
Favorable years		1300	900	1400		1200
Normal years		900	700	1000		800
Unfavorable years		700	400	700		600

1730--Graley-Erakatak-Chen association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Graley	Erakatak	Chen	Inclusion 1	Inclusion 2
Columbia needlegrass	STNE3	---	---	---	2-5	---
Idaho fescue	FEID	30-40	2-10	30-50	2-10	30-50
Letterman needlegrass	STLE4	---	2-5	---	---	---
Nevada bluegrass	PONE3	2-5	2-5	---	2-5	---
basin wildrye	ELCI2	2-10	5-15	---	---	---
bluebunch wheatgrass	AGSP	15-30	30-50	15-30	2-5	15-30
bluegrass	POA++	---	---	2-10	---	2-10
mountain brome	BRCA5	---	20-40	---	5-15	---
slender wheatgrass	AGTR	---	---	---	5-15	---
spike-fescue	LEKI2	---	2-5	---	2-10	---
arrowleaf balsamroot	BASA3	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	2-5	---	---	---	---
Utah serviceberry	AMUT	---	---	---	1-5	---
antelope bitterbrush	PUTR2	5-10	5-10	2-5	1-5	2-5
common chokecherry	PRVI	---	---	---	1-5	---
low sagebrush	ARAR8	---	---	15-25	---	15-25
mountain big sagebrush	ARVA2	10-20	5-15	---	5-15	---
snowberry	SYMPH	---	---	---	2-15	---
Range site number		025XY012NV	025XY016NV	025XY017NV	025XY004NV	025XY017NV
Potential production (lb/acre):						
Favorable years		1400	2000	900	2800	900
Normal years		1000	1400	700	1800	700
Unfavorable years		700	1000	400	1200	400

1732--Graley-Quarz-Ninemile association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Graley	Quarz	Ninemile	Inclusion 1	Inclusion 2	Inclusion 3
Cusick bluegrass	POCU3	---	---	---	---	5-10	---
Idaho fescue	FEID	30-40	2-5	30-50	---	50-65	5-30
Nevada bluegrass	PONE3	2-5	2-5	---	---	---	---
Thurber needlegrass	STTH2	---	2-8	---	---	---	---
basin wildrye	ELCI2	2-10	5-10	---	---	---	---
bluebunch wheatgrass	AGSP	15-30	50-60	15-30	---	2-5	---
bluegrass	POA++	---	---	2-10	---	---	5-15
arrowleaf balsamroot	BASA3	2-5	---	---	---	---	---
goldenweed	HAPLO2	---	---	---	---	---	2-5
tapertip hawksbeard	CRAC2	2-5	---	---	---	---	---
antelope bitterbrush	PUTR2	5-10	2-10	2-5	---	---	---
black sagebrush	ARARN	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	15-25	---	---	---
mountain big sagebrush	ARVA2	10-20	5-15	---	---	2-8	---
sagebrush	ARTEM	---	---	---	---	---	30-35
Range site number		025XY012NV	025XY009NV	025XY017NV	none	025XY010NV	025XY024NV
Potential production (lb/acre):							
Favorable years		1400	1300	900		1200	400
Normal years		1000	900	700		800	275
Unfavorable years		700	700	400		600	150

1733--Graley-Loncan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Graley	Loncan	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	30-40	30-40	2-5	30-50	---
Nevada bluegrass	PONE3	2-5	2-5	2-5	---	---
Thurber needlegrass	STTH2	---	---	2-8	---	---
basin wildrye	ELCI2	2-10	2-10	5-10	---	---
bluebunch wheatgrass	AGSP	15-30	15-30	50-60	15-30	---
bluegrass	POA++	---	---	---	2-10	---
arrowleaf balsamroot	BASA3	2-5	2-5	---	---	---
tapertip hawksbeard	CRAC2	2-5	2-5	---	---	---
antelope bitterbrush	PUTR2	5-10	5-10	2-10	2-5	---
low sagebrush	ARAR8	---	---	---	15-25	---
mountain big sagebrush	ARVA2	10-20	10-20	5-15	---	---
Range site number		025XY012NV	025XY012NV	025XY009NV	025XY017NV	none
Potential production (lb/acre):						
Favorable years		1400	1400	1300	900	
Normal years		1000	1000	900	700	
Unfavorable years		700	700	700	400	

1740--Erakatak-Cleavage-Hackwood association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Erakatak	Cleavage	Hackwood	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	---	2-5	---	---
Idaho fescue	FEID	2-10	5-30	X	2-5	2-10	40-60	---
Letterman needlegrass	STLE4	2-5	---	---	---	---	---	---
Nevada bluegrass	PONE3	2-5	---	---	2-5	2-5	2-8	40-60
Thurber needlegrass	STTH2	---	---	---	2-8	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	20-40
basin wildrye	ELCI2	5-15	---	---	5-10	---	2-8	2-8
bluebunch wheatgrass	AGSP	30-50	---	---	50-60	2-5	5-15	---
bluegrass	POA++	---	5-15	---	---	---	---	---
horsemint giant hyssop	AGUR	---	---	X	---	---	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
meadow barley	HOBR2	---	---	---	---	---	---	2-5
mountain brome	BRCA5	20-40	---	X	---	5-15	---	---
sedge	CAREX	---	---	---	---	---	---	2-8
slender wheatgrass	AGTR	---	---	X	---	5-15	---	---
spike-fescue	LEKI2	2-5	---	---	---	2-10	---	---
goldenweed	HAPLO2	---	2-5	---	---	---	---	---
groundsel	SENEC	---	---	X	---	---	---	---
Utah serviceberry	AMUT	---	---	X	---	1-5	---	---
antelope bitterbrush	PUTR2	5-10	---	---	2-10	1-5	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	10-20	---
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	---	---	---	1-5	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	---	---	5-15	5-15	---	---
sagebrush	ARTEM	---	30-35	---	---	---	---	---
snowberry	SYMPH	---	---	X	---	2-15	---	---
quaking aspen	POTRT	---	---	X	---	---	---	---
Range site number		025XY016NV	025XY024NV	025XY065NV	025XY009NV	025XY004NV	025XY027NV	025XY006NV
Potential production (lb/acre):								
Favorable years		2000	400	800	1300	2800	1300	2000
Normal years		1400	275	600	900	1800	900	1300
Unfavorable years		1000	150	400	700	1200	500	800

1741--Erakatak-Chen-Tusk association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Erakatak	Chen	Tusk	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	2-5	---	---	---	---
Idaho fescue	FEID	2-10	30-50	2-10	30-40	30-40	---	---
Letterman needlegrass	STLE4	2-5	---	---	---	---	---	---
Nevada bluegrass	PONE3	2-5	---	2-5	2-5	2-5	5-10	40-60
alpine timothy	PHAL2	---	---	---	---	---	---	20-40
basin wildrye	ELCI2	5-15	---	---	2-10	2-10	60-70	2-8
bluebunch wheatgrass	AGSP	30-50	15-30	2-5	15-30	15-30	---	---
bluegrass	POA++	---	2-10	---	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8	2-8
meadow barley	HOBR2	---	---	---	---	---	---	2-5
mountain brome	BRCA5	20-40	---	5-15	---	---	---	---
sedge	CAREX	---	---	---	---	---	---	2-8
slender wheatgrass	AGTR	---	---	5-15	---	---	---	---
spike-fescue	LEKI2	2-5	---	2-10	---	---	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	---	2-5	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	---	2-5	2-5	---	---
Utah serviceberry	AMUT	---	---	1-5	---	---	---	---
antelope bitterbrush	PUTR2	5-10	2-5	1-5	5-10	5-10	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
common chokecherry	PRVI	---	---	1-5	---	---	---	---
low sagebrush	ARAR8	---	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	5-15	---	5-15	10-20	10-20	---	---
snowberry	SYMPH	---	---	2-15	---	---	---	---

Range site number	025XY016NV	025XY017NV	025XY004NV	025XY012NV	025XY012NV	025XY003NV	025XY006NV
Potential production (lb/acre):							
Favorable years	2000	900	2800	1400	1400	4500	2000
Normal years	1400	700	1800	1000	1000	3500	1300
Unfavorable years	1000	400	1200	700	700	2000	800

1742--Erakatak-Rugar-Tusal association

(Absenca of an entry indicatas that tha namad plant is not a kay spacias in tha potantial nativa plant community)

Common plant name	Plant symbol	Parcentaga composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Erakatak	Rugar	Tusel	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	2-5	---	---	---	---
Cusick bluagrass	POCU3	---	---	---	---	---	5-10	---
Idaho fescua	FEID	2-10	15-30	2-10	5-15	30-40	50-65	40-60
Lattarman needlagrass	STLE4	2-5	---	---	---	---	---	---
Nevada bluegrass	PONE3	2-5	---	2-5	---	2-5	---	2-8
basin wildrye	ELCI2	5-15	---	---	---	2-10	---	2-8
bluebunch whaatgrass	AGSP	30-50	---	2-5	2-10	15-30	2-5	5-15
bulbous oniongrass	MEBU	---	2-8	---	---	---	---	---
mountain broma	BRCA5	20-40	10-20	5-15	---	---	---	---
slender wheatgrass	AGTR	---	2-8	5-15	---	---	---	---
spika-fescue	LEKI2	2-5	---	2-10	---	---	---	---
arrowleaf balsamroot	BASA3	---	---	---	---	2-5	---	---
lupine	LUPIN	---	10-15	---	---	---	---	---
tapertip hawksbaard	CRAC2	---	---	---	---	2-5	---	---
wyethia	WYETH	---	20-30	---	---	---	---	---
Saskatoon serviceberry	AMAL2	---	---	---	---	---	---	---
Utah servicebarry	AMUT	---	---	1-5	---	---	---	---
antalopa bitterbrush	PUTR2	5-10	---	1-5	2-8	5-10	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	10-20
common chokecharry	PRVI	---	---	1-5	---	---	---	---
mountain big sagebrush	ARVA2	5-15	---	5-15	2-5	10-20	2-8	---
sarvicebarry	AMELA	---	---	---	40-50	---	---	---
snowbarry	SYMPH	---	---	2-15	2-8	---	---	---
Range sita number		025XY016NV	025XY047NV	025XY004NV	025XY046NV	025XY012NV	025XY010NV	025XY027NV
Potantial production (lb/acra):								
Favorabla years		2000	2000	2800	1800	1400	1200	1300
Normal yaars		1400	1500	1800	1300	1000	800	900
Unfavorabla years		1000	1000	1200	900	700	600	500

1744--Erakatak-Graley-Tusel association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Erakatak	Graley	Tusel	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	2-5	---	---	---	---
Cusick bluegrass	POCU3	---	---	---	---	---	---	5-15
Idaho fescue	FEID	2-10	30-40	2-10	2-5	5-15	15-30	30-60
Letterman needlegrass	STLE4	2-5	---	---	---	---	---	---
Nevada bluegrass	PONE3	2-5	2-5	2-5	2-5	---	---	---
Thurber needlegrass	STTH2	---	---	---	2-8	---	---	---
basin wildrye	ELCI2	5-15	2-10	---	5-10	---	---	---
bluebunch wheatgrass	AGSP	30-50	15-30	2-5	50-60	2-10	---	2-10
bulbous oniongrass	MEBU	---	---	---	---	---	2-8	---
mountain brome	BRCA5	20-40	---	5-15	---	---	10-20	---
slender wheatgrass	AGTR	---	---	5-15	---	---	2-8	---
spike-fescue	LEKI2	2-5	---	2-10	---	---	---	---
arrowleaf balsamroot	BASA3	---	2-5	---	---	---	---	---
lupine	LUPIN	---	---	---	---	---	10-15	---
tapertip hawksbeard	CRAC2	---	2-5	---	---	---	---	2-5
wyethia	WYETH	---	---	---	---	---	20-30	---
Saskatoon serviceberry	AMAL2	---	---	---	---	---	---	---
Utah serviceberry	AMUT	---	---	1-5	---	---	---	---
antelope bitterbrush	PUTR2	5-10	5-10	1-5	2-10	2-8	---	---
black sagebrush	ARARN	---	---	---	---	---	---	25-35
common chokecherry	PRVI	---	---	1-5	---	---	---	---
mountain big sagebrush	ARVA2	5-15	10-20	5-15	5-15	2-5	---	---
serviceberry	AMELA	---	---	---	---	40-50	---	---
snowberry	SYMPH	---	---	2-15	---	2-8	---	---

Range site number	025XY016NV	025XY012NV	025XY004NV	025XY009NV	025XY046NV	025XY047NV	024XY042NV
Potential production (lb/acre):							
Favorable years	2000	1400	2800	1300	1800	2000	1000
Normal years	1400	1000	1800	900	1300	1500	800
Unfavorable years	1000	700	1200	700	900	1000	500

1746--Booford-Cotant-Blitzen association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Booford	Cotant	Blitzen	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	2-5	---	---	---
Cusick bluegrass	POCU3	---	---	---	---	5-10	---	---
Idaho fescue	FEID	30-40	30-50	2-5	2-10	50-65	5-15	---
Nevada bluegrass	PONE3	2-5	---	2-5	2-5	---	---	5-10
Thurber needlegrass	STTH2	---	---	2-8	---	---	---	---
basin wildrye	ELCI2	2-10	---	5-10	---	---	---	60-70
bluebunch wheatgrass	AGSP	15-30	15-30	50-60	2-5	2-5	2-10	---
bluegrass	POA++	---	2-10	---	---	---	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
mountain brome	BRCA5	---	---	---	5-15	---	---	---
slender wheatgrass	AGTR	---	---	---	5-15	---	---	---
spike-fescue	LEKI2	---	---	---	2-10	---	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
arrowleaf balsamroot	BASA3	2-5	---	---	---	---	---	---
tapertip hawksbeard	CRAC2	2-5	---	---	---	---	---	---
Saskatoon serviceberry	AMAL2	---	---	---	---	---	---	---
Utah serviceberry	AMUT	---	---	---	1-5	---	---	---
antelope bitterbrush	PUTR2	5-10	2-5	2-10	1-5	---	2-8	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
common chokecherry	PRVI	---	---	---	1-5	---	---	---
low sagebrush	ARAR8	---	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	10-20	---	5-15	5-15	2-8	2-5	---
serviceberry	AMELA	---	---	---	---	---	40-50	---
snowberry	SYMPH	---	---	---	2-15	---	2-8	---

Range site number	025XY012NV	025XY017NV	025XY009NV	025XY004NV	025XY010NV	025XY046NV	025XY003NV
Potential production (lb/acre):							
Favorable years	1400	900	1300	2800	1200	1800	4500
Normal years	1000	700	900	1800	800	1300	3500
Unfavorable years	700	400	700	1200	600	900	2000

1800--Bregar, moderately steep-Bregar-Carstump association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Bregar	Bregar	Carstump	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	5-10	5-10
Sandberg bluegrass	POSE	2-8	2-8	---	---	---	---
Thurber needlegrass	STTH2	15-30	15-30	10-20	---	---	---
Webber ricegrass	STWE	2-8	2-8	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	5-10
basin wildrye	ELCI2	---	---	2-8	---	60-70	---
bluebunch wheatgrass	AGSP	20-40	20-40	20-35	---	---	---
bluegrass	POA++	---	---	2-10	---	---	---
mat muhly	MURI	---	---	---	---	2-8	---
sedge	CAREX	---	---	---	---	---	5-10
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---
tufted hairgrass	DECE	---	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	---	2-5
cinquefoil	POTEN	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---
antelope bitterbrush	PUTR2	---	---	2-8	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	5-10	---
big sagebrush	ARTR2	---	---	10-20	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
sagebrush	ARTEM	20-30	20-30	---	---	---	---
Range site number		025XY018NV	025XY018NV	025XY014NV	none	025XY003NV	025XY005NV
Potential production (lb/acre):							
Favorable years		800	800	1000		4500	3000
Normal years		600	600	800		3500	1700
Unfavorable years		400	400	600		2000	1000

1802--Bregar-Ninemile-Pequop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bregar	Ninemile	Pequop	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	15-25	30-50	30-40	---	2-5	---	15-30
Nevada bluegrass	PONE3	---	---	2-5	---	2-5	5-10	---
Sandberg bluegrass	POSE	2-8	---	---	---	---	---	---
Thurber needlegrass	STTH2	2-8	---	---	---	2-8	---	2-5
basin wildrye	ELCI2	---	---	2-10	---	5-10	60-70	---
bluebunch wheatgrass	AGSP	10-20	15-30	15-30	---	50-60	---	10-20
bluegrass	POA++	---	2-10	---	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8	---
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---	---
Douglas rabbitbrush	CHVI8	2-5	---	---	---	---	---	---
antelope bitterbrush	PUTR2	5-10	2-5	5-10	---	2-10	---	20-40
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
low sagebrush	ARAR8	25-35	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	10-20	---	5-15	---	5-10
Range site number		025XY051NV	025XY017NV	025XY012NV	none	025XY009NV	025XY003NV	025XY007NV
Potential production (lb/acre):								
Favorable years		500	900	1400		1300	4500	2300
Normal years		300	700	1000		900	3500	1400
Unfavorable years		200	400	700		700	2000	900

1803--Bregar-Sumine-Rock outcrop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Bregar	Sumine	Rock outcrop	Inclusion 1	Inclusion 2
Idaho fescue	FEID	15-25	2-5	---	30-40	30-50
Nevada bluegrass	PONE3	---	2-5	---	2-5	---
Sandberg bluegrass	POSE	2-8	---	---	---	---
Thurber needlegrass	STTH2	2-8	2-8	---	---	---
basin wildrye	ELCI2	---	5-10	---	2-10	---
bluebunch wheatgrass	AGSP	10-20	50-60	---	15-30	15-30
bluegrass	POA++	---	---	---	---	2-10
arrowleaf balsamroot	BASA3	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	---	---	2-5	---
Douglas rabbitbrush	CHVI8	2-5	---	---	---	---
antelope bitterbrush	PUTR2	5-10	2-10	---	5-10	2-5
low sagebrush	ARAR8	25-35	---	---	---	15-25
mountain big sagebrush	ARVA2	---	5-15	---	10-20	---
Range site number		025XY051NV	025XY009NV	none	025XY012NV	025XY017NV
Potential production (lb/acre):						
Favorable years		500	1300		1400	900
Normal years		300	900		1000	700
Unfavorable years		200	700		700	400

1805--Bregar-Deseed-Linkup association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bregar	Deseed	Linkup	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	---
Sandberg bluegrass	POSE	2-10	---	2-8	---	2-8	---	---
Thurber needlegrass	STTH2	10-20	10-20	15-30	10-20	15-30	---	10-20
Webber ricegrass	STWE	5-10	---	2-8	---	2-8	---	---
basin wildrye	ELCI2	---	2-8	---	2-8	---	---	2-8
bluebunch wheatgrass	AGSP	20-30	20-35	20-40	20-35	20-40	---	20-35
bluegrass	POA++	---	2-10	---	2-10	---	---	2-10
balsamroot	BALSA	2-5	---	---	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	---	2-8	---	2-8	---	---	2-8
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	10-20	---	10-20	---	---	10-20
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	25-35	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
sagebrush	ARTEM	---	---	20-30	---	20-30	---	---
Range site number		025XY022NV	025XY014NV	025XY018NV	025XY014NV	025XY018NV	none	025XY014NV
Potential production (lb/acre):								
Favorable years		600	1000	800	1000	800		1000
Normal years		400	800	600	800	600		800
Unfavorable years		250	600	400	600	400		600

1810--Shively-Ninemile-Hackwood association

(An X indicates that the named plant is in the potential native woodland understory and the percentage is highly variable. Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Shively	Ninemile	Hackwood	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	---	2-5	2-8	---
Cusick bluegrass	POCU3	5-10	---	---	---	---	---	---
Idaho fescue	FEID	50-65	30-50	X	---	2-10	---	---
Letterman needlegrass	STLE4	---	---	---	---	---	2-5	---
Nevada bluegrass	PONE3	---	---	---	---	2-5	---	---
bluebunch wheatgrass	AGSP	2-5	15-30	---	---	2-5	---	---
bluegrass	POA++	---	2-10	---	---	---	---	---
horsemint giant hyssop	AGUR	---	---	X	---	---	---	---
mountain brome	BRCA5	---	---	X	---	5-15	5-10	---
slender wheatgrass	AGTR	---	---	X	---	5-15	5-10	---
spike-fescue	LEKI2	---	---	---	---	2-10	---	---
groundsel	SENEC	---	---	X	---	---	---	---
Utah serviceberry	AMUT	---	---	X	---	1-5	---	---
antelope bitterbrush	PUTR2	---	2-5	---	---	1-5	---	---
common chokecherry	PRVI	---	---	---	---	1-5	---	---
low sagebrush	ARAR8	---	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	2-8	---	---	---	5-15	---	---
quaking aspen	POTR5	---	---	---	---	---	50-60	---
snowberry	SYMPH	---	---	X	---	2-15	---	---
willow	SALIX	---	---	---	---	---	1-8	---
quaking aspen	POTRT	---	---	X	---	---	---	---
Range site number		025XY010NV	025XY017NV	025XY065NV	none	025XY004NV	025XY002NV	none
Potential production (lb/acre):								
Favorable years		1200	900	800		2800	1800	
Normal years		800	700	600		1800	1300	
Unfavorable years		600	400	400		1200	900	

1830--Vanwyper, steep-Alyan-Vanwyper association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Vanwyper	Alyan	Vanwyper	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	30-50	---	---
Nevada bluegrass	PONE3	---	---	---	---	5-10	---
Sandberg bluegrass	POSE	2-5	---	2-5	---	---	---
Thurber needlegrass	STTH2	15-25	10-20	15-25	---	---	5-15
basin wildrye	ELCI2	---	2-8	---	---	60-70	2-5
bluebunch wheatgrass	AGSP	25-40	20-35	25-40	15-30	---	60-80
bluegrass	POA++	---	2-10	---	2-10	---	---
mat muhly	MURI	---	---	---	---	2-8	---
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---
Wyoming big sagebrush	ARTRW	15-25	---	15-25	---	---	5-15
antelope bitterbrush	PUTR2	---	2-8	---	2-5	---	1-5
basin big sagebrush	ARTRT	---	---	---	---	5-10	---
big sagebrush	ARTR2	---	10-20	---	---	---	---
low sagebrush	ARAR8	---	---	---	15-25	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
Range site number		025XY019NV	025XY014NV	025XY019NV	025XY017NV	025XY003NV	025XY015NV
Potential production (lb/acre):							
Favorable years		800	1000	800	900	4500	1000
Normal years		600	800	600	700	3500	700
Unfavorable years		400	600	400	400	2000	500

1831--Vanwyper, moderately steep-Trunk-Vanwyper association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Vanwyper	Trunk	Vanwyper	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	---	---	---	30-50	---	---	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	---	---	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	---	---	---	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	15-30	---	---	25-40
bluegrass	POA++	---	---	---	2-10	---	---	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---	---	---	15-25
antelope bitterbrush	PUTR2	---	---	---	2-5	---	---	---
low sagebrush	ARAR8	---	---	---	15-25	---	---	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY017NV	none	none	025XY019NV
Potential production (lb/acre):								
Favorable years		800	800	800	900			800
Normal years		600	600	600	700			600
Unfavorable years		400	400	400	400			400

1832--Vanwyper-Trunk-Trunk, steep association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Vanwyper	Trunk	Trunk	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	---	---	---	---	30-40	10-20	---
Indian ricegrass	ORHY	---	---	---	---	---	---	5-15
Letterman needlegrass	STLE4	---	---	---	---	---	5-10	---
Nevada bluegrass	PONE3	---	---	---	---	2-5	---	---
Sandberg bluegrass	POSE	---	2-5	2-5	---	---	---	---
Thurber needlegrass	STTH2	5-15	15-25	15-25	---	---	---	---
basin wildrye	ELCI2	2-5	---	---	---	2-10	---	---
bluebunch wheatgrass	AGSP	60-80	25-40	25-40	---	15-30	10-20	---
bluegrass	POA++	---	---	---	---	---	2-8	---
bottlebrush squirreltail	SIHY	---	---	---	---	---	---	5-10
arrowleaf balsamroot	BASA3	---	---	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW	5-15	15-25	15-25	---	---	---	---
antelope bitterbrush	PUTR2	1-5	---	---	---	5-10	---	---
bud sagebrush	ARSP5	---	---	---	---	---	---	20-30
mountain big sagebrush	ARVA2	---	---	---	---	10-20	15-25	---
mountain snowberry	SYOR2	---	---	---	---	---	2-8	---
shadscale	ATCO	---	---	---	---	---	---	30-40
spiny hopsage	GRSP	---	---	---	---	---	---	2-5
winterfat	EULA5	---	---	---	---	---	---	2-5
curlleaf mountainmahogany	CELE3	---	---	---	---	---	30-50	---
Range site number		025XY015NV	025XY019NV	025XY019NV	none	025XY012NV	025XY031NV	024XY002NV
Potential production (lb/acre):								
Favorable years		1000	800	800		1400	1300	750
Normal years		700	600	600		1000	900	450
Unfavorable years		500	400	400		700	600	300

1833--Vanwyper-Rock outcrop-Trunk association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Vanwyper	Rock outcrop	Trunk	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	---	---	---	30-40	---	---
Nevada bluegrass	PONE3	---	---	---	2-5	5-10	---
Sandberg bluegrass	POSE	---	---	2-5	---	---	---
Thurber needlegrass	STTH2	5-15	---	15-25	---	---	---
basin wildrye	ELCI2	2-5	---	---	2-10	60-70	---
bluebunch wheatgrass	AGSP	60-80	---	25-40	15-30	---	---
mat muhly	MURI	---	---	---	---	2-8	---
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW	5-15	---	15-25	---	---	---
antelope bitterbrush	PUTR2	1-5	---	---	5-10	---	---
basin big sagebrush	ARTRT	---	---	---	---	5-10	---
mountain big sagebrush	ARVA2	---	---	---	10-20	---	---
Range site number		025XY015NV	none	025XY019NV	025XY012NV	025XY003NV	none
Potential production (lb/acre):							
Favorable years		1000		800	1400	4500	
Normal years		700		600	1000	3500	
Unfavorable years		500		400	700	2000	

1852--Gumble-Tuffo-Hunnton association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Gumble	Tuffo	Hunnton	Inclusion 1	Inclusion 2
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	5-15
basin wildrye	ELCI2	---	---	---	---	2-5
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	60-80
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	5-15
antelope bitterbrush	PUTR2	---	---	---	---	1-5
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY015NV
Potential production (lb/acre):						
Favorable years		800	800	800	800	1000
Normal years		600	600	600	600	700
Unfavorable years		400	400	400	400	500

1853--Gumble-Tuffo-Rock outcrop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Gumble	Tuffo	Rock outcrop	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	---	---	---	---	40-60	---
Nevada bluegrass	PONE3	---	---	---	---	2-8	---
Sandberg bluegrass	POSE	---	---	---	2-5	---	2-5
Thurber needlegrass	STTH2	5-15	5-15	---	15-25	---	15-25
basin wildrye	ELCI2	2-5	2-5	---	---	2-8	---
bluebunch wheatgrass	AGSP	60-80	60-80	---	25-40	5-15	25-40
Wyoming big sagebrush	ARTRW	5-15	5-15	---	15-25	---	15-25
antelope bitterbrush	PUTR2	1-5	1-5	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	10-20	---
Range site number		025XY015NV	025XY015NV	none	025XY019NV	025XY027NV	025XY019NV
Potential production (lb/acre):							
Favorable years		1000	1000		800	1300	800
Normal years		700	700		600	900	600
Unfavorable years		500	500		400	500	400

1854--Gumble-Chen association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Gumble	Chen	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	---	30-50	2-5	---	---	---
Indian ricegrass	ORHY	---	---	---	---	---	15-30
Nevada bluegrass	PONE3	---	---	2-5	---	5-10	---
Sandberg bluegrass	POSE	---	---	---	2-5	---	---
Thurber needlegrass	STTH2	5-15	---	2-8	15-25	---	---
basin wildrye	ELCI2	2-5	---	5-10	---	60-70	5-10
bluebunch wheatgrass	AGSP	60-80	15-30	50-60	25-40	---	---
bluegrass	POA++	---	2-10	---	---	---	---
mat muhly	MURI	---	---	---	---	2-8	---
needleandthread	STCO4	---	---	---	---	---	30-40
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---
Wyoming big sagebrush	ARTRW	5-15	---	---	15-25	---	---
antelope bitterbrush	PUTR2	1-5	2-5	2-10	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	5-10	---
big sagebrush	ARTR2	---	---	---	---	---	15-25
low sagebrush	ARAR8	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	---	---	5-15	---	---	---
spiny hopsage	GRSP	---	---	---	---	---	1-5
Range site number		025XY015NV	025XY017NV	025XY009NV	025XY019NV	025XY003NV	024XY017NV
Potential production (lb/acre):							
Favorable years		1000	900	1300	800	4500	900
Normal years		700	700	900	600	3500	700
Unfavorable years		500	400	700	400	2000	500

1855--Gumble-Puett Variant-Xeric Torriorthents association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Gumble	Puett Variant	Xeric Torriorthents	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	---	5-15	5-15	---	2-5	---
Sandberg bluegrass	POSE	---	---	2-8	2-5	---	2-5
Thurber needlegrass	STTH2	5-15	---	15-25	15-25	---	15-25
basin wildrye	ELCI2	2-5	---	---	---	---	---
bluebunch wheatgrass	AGSP	60-80	---	---	25-40	---	25-40
bottlebrush squirreltail	SIHY	---	5-10	2-5	---	2-10	---
desert needlegrass	STSP3	---	---	---	---	2-10	---
globemallow	SPHAE	---	---	1-2	---	---	---
Wyoming big sagebrush	ARTRW	5-15	---	20-35	15-25	---	15-25
antelope bitterbrush	PUTR2	1-5	---	---	---	---	---
bud sagebrush	ARSP5	---	20-30	---	---	15-30	---
shadscale	ATCO	---	30-40	---	---	30-50	---
spiny hopsage	GRSP	---	2-5	5-20	---	---	---
winterfat	EULA5	---	2-5	---	---	---	---

Range site number	025XY015NV	024XY002NV	024XY020NV	025XY019NV	024XY025NV	025XY019NV
Potential production (lb/acre):						
Favorable years	1000	750	700	800	250	800
Normal years	700	450	450	600	150	600
Unfavorable years	500	300	300	400	75	400

1870--Chen-Graley-Quarz association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Chen	Graley	Quarz	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	---	---	---	2-5
Idaho fescue	FEID	30-50	30-40	2-5	30-40	30-40	---	2-10
Nevada bluegrass	PONE3	---	2-5	2-5	2-5	2-5	---	2-5
Thurber needlegrass	STTH2	---	---	2-8	---	---	---	---
basin wildrye	ELCI2	---	2-10	5-10	2-10	2-10	---	---
bluebunch wheatgrass	AGSP	15-30	15-30	50-60	15-30	15-30	---	2-5
bluegrass	POA++	2-10	---	---	---	---	---	---
mountain brome	BRCA5	---	---	---	---	---	---	5-15
slender wheatgrass	AGTR	---	---	---	---	---	---	5-15
spike-fescue	LEKI2	---	---	---	---	---	---	2-10
arrowleaf balsamroot	BASA3	---	2-5	---	2-5	2-5	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	2-5	2-5	---	---
Utah serviceberry	AMUT	---	---	---	---	---	---	1-5
antelope bitterbrush	PUTR2	2-5	5-10	2-10	5-10	5-10	---	1-5
common chokecherry	PRVI	---	---	---	---	---	---	1-5
low sagebrush	ARAR8	15-25	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	10-20	5-15	10-20	10-20	---	5-15
snowberry	SYMPH	---	---	---	---	---	---	2-15
Range site number		025XY017NV	025XY012NV	025XY009NV	025XY012NV	025XY012NV	none	025XY004NV
Potential production (lb/acre):								
Favorable years		900	1400	1300	1400	1400		2800
Normal years		700	1000	900	1000	1000		1800
Unfavorable years		400	700	700	700	700		1200

1871--Chen-Cotant-Graley association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Chen	Cotant	Graley	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	30-50	30-50	30-40	30-40	---	---
Nevada bluegrass	PONE3	---	---	2-5	2-5	5-10	---
alpine timothy	PHAL2	---	---	---	---	5-10	---
basin wildrye	ELCI2	---	---	2-10	2-10	---	---
bluebunch wheatgrass	AGSP	15-30	15-30	15-30	15-30	---	---
bluegrass	POA++	2-10	2-10	---	---	---	---
sedge	CAREX	---	---	---	---	5-10	---
tufted hairgrass	DECE	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	2-5	---
arrowleaf balsamroot	BASA3	---	---	2-5	2-5	---	---
cinquefoil	POTEN	---	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	---	2-5	2-5	---	---
antelope bitterbrush	PUTR2	2-5	2-5	5-10	5-10	---	---
low sagebrush	ARAR8	15-25	15-25	---	---	---	---
mountain big sagebrush	ARVA2	---	---	10-20	10-20	---	---
Range site number		025XY017NV	025XY017NV	025XY012NV	025XY012NV	025XY005NV	none
Potential production (lb/acre):							
Favorable years		900	900	1400	1400	3000	
Normal years		700	700	1000	1000	1700	
Unfavorable years		400	400	700	700	1000	

1872--Chen-Sumine-Tusel association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Chen	Sumine	Tusel	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	2-5	---	---	2-5	---
Cusick bluegrass	POCU3	---	---	---	---	---	---	5-10
Idaho fescue	FEID	30-50	2-5	2-10	---	5-30	2-10	50-65
Nevada bluegrass	PONE3	---	2-5	2-5	---	---	2-5	---
Thurber needlegrass	STTH2	---	2-8	---	---	---	---	---
basin wildrye	ELCI2	---	5-10	---	---	---	---	---
bluebunch wheatgrass	AGSP	15-30	50-60	2-5	---	---	2-5	2-5
bluegrass	POA++	2-10	---	---	---	5-15	---	---
mountain brome	BRCA5	---	---	5-15	---	---	5-15	---
slender wheatgrass	AGTR	---	---	5-15	---	---	5-15	---
spike-fescue	LEKI2	---	---	2-10	---	---	2-10	---
goldenweed	HAPLO2	---	---	---	---	2-5	---	---
Utah serviceberry	AMUT	---	---	1-5	---	---	1-5	---
antelope bitterbrush	PUTR2	2-5	2-10	1-5	---	---	1-5	---
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	---	1-5	---	---	1-5	---
low sagebrush	ARAR8	15-25	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	5-15	5-15	---	---	5-15	2-8
sagebrush	ARTEM	---	---	---	---	30-35	---	---
snowberry	SYMPH	---	---	2-15	---	---	2-15	---
Range site number		025XY017NV	025XY009NV	025XY004NV	none	025XY024NV	025XY004NV	025XY010NV
Potential production (lb/acre):								
Favorable years		900	1300	2800		400	2800	1200
Normal years		700	900	1800		275	1800	800
Unfavorable years		400	700	1200		150	1200	600

1874--Chen-Quarz-Arcia association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Chen	Quarz	Arcia	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	---	---	---	2-5
Idaho fescue	FEID	30-50	2-5	30-40	5-30	---	---	2-10
Nevada bluegrass	PONE3	---	2-5	2-5	---	---	---	2-5
Sandberg bluegrass	POSE	---	---	---	---	2-10	---	---
Thurber needlegrass	STTH2	---	2-8	---	---	10-20	---	---
Webber ricegrass	STWE	---	---	---	---	5-10	---	---
basin wildrye	ELCI2	---	5-10	2-10	---	---	---	---
bluebunch wheatgrass	AGSP	15-30	50-60	15-30	---	20-30	---	2-5
bluegrass	POA++	2-10	---	---	5-15	---	---	---
mountain brome	BRCA5	---	---	---	---	---	---	5-15
slender wheatgrass	AGTR	---	---	---	---	---	---	5-15
spike-fescue	LEKI2	---	---	---	---	---	---	2-10
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---	---
balsamroot	BALSA	---	---	---	---	2-5	---	---
goldenweed	HAPLO2	---	---	---	2-5	---	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---	---
Utah serviceberry	AMUT	---	---	---	---	---	---	1-5
antelope bitterbrush	PUTR2	2-5	2-10	5-10	---	---	---	1-5
black sagebrush	ARARN	---	---	---	---	---	---	---
common chokecherry	PRVI	---	---	---	---	---	---	1-5
low sagebrush	ARAR8	15-25	---	---	---	25-35	---	---
mountain big sagebrush	ARVA2	---	5-15	10-20	---	---	---	5-15
sagebrush	ARTEM	---	---	---	30-35	---	---	---
snowberry	SYMPH	---	---	---	---	---	---	2-15

Range site number	025XY017NV	025XY009NV	025XY012NV	025XY024NV	025XY022NV	none	025XY004NV
Potential production (lb/acre):							
Favorable years	900	1300	1400	400	600		2800
Normal years	700	900	1000	275	400		1800
Unfavorable years	400	700	700	150	250		1200

1875--Chen-Bregar-Ramires association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Chen	Bregar	Ramires	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	30-50	---	---	30-50	---	40-60	---
Nevada bluegrass	PONE3	---	---	---	---	---	2-8	5-10
Sandberg bluegrass	POSE	---	2-10	---	---	---	---	---
Thurber needlegrass	STTH2	---	10-20	10-20	---	---	---	---
Webber ricegrass	STWE	---	5-10	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	5-10
basin wildrye	ELCI2	---	---	2-8	---	---	2-8	---
bluebunch wheatgrass	AGSP	15-30	20-30	20-35	15-30	---	5-15	---
bluegrass	POA++	2-10	---	2-10	2-10	---	---	---
sedge	CAREX	---	---	---	---	---	---	5-10
tufted hairgrass	DECE	---	---	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	---	---	2-5
balsamroot	BALSA	---	2-5	---	---	---	---	---
cinquefoil	POTEN	---	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-5	---	2-8	2-5	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	10-20	---
big sagebrush	ARTR2	---	---	10-20	---	---	---	---
low sagebrush	ARAR8	15-25	25-35	---	15-25	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
Range site number		025XY017NV	025XY022NV	025XY014NV	025XY017NV	none	025XY027NV	025XY005NV
Potential production (lb/acre):								
Favorable years		900	600	1000	900		1300	3000
Normal years		700	400	800	700		900	1700
Unfavorable years		400	250	600	400		500	1000

1876--Chen-Chen, steep-Arcia association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Chen	Chen	Arcia	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-50	30-50	30-40	---	---	---	---
Nevada bluegrass	PONE3	---	---	2-5	---	---	5-10	5-10
Sandberg bluegrass	POSE	---	---	---	2-10	---	---	---
Thurber needlegrass	STTH2	---	---	---	10-20	---	---	---
Webber ricegrass	STWE	---	---	---	5-10	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	5-10	---
basin wildrye	ELCI2	---	---	2-10	---	---	---	60-70
bluebunch wheatgrass	AGSP	15-30	15-30	15-30	20-30	---	---	---
bluegrass	POA++	2-10	2-10	---	---	---	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
sedge	CAREX	---	---	---	---	---	5-10	---
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
tufted hairgrass	DECE	---	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	---	2-5	---
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---	---
balsamroot	BALSA	---	---	---	2-5	---	---	---
cinquefoil	POTEN	---	---	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---	---
antelope bitterbrush	PUTR2	2-5	2-5	5-10	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
low sagebrush	ARAR8	15-25	15-25	---	25-35	---	---	---
mountain big sagebrush	ARVA2	---	---	10-20	---	---	---	---
Range site number		025XY017NV	025XY017NV	025XY012NV	025XY022NV	none	025XY005NV	025XY003NV
Potential production (lb/acre):								
Favorable years		900	900	1400	600		3000	4500
Normal years		700	700	1000	400		1700	3500
Unfavorable years		400	400	700	250		1000	2000

1877--Chen-Bregar-Loncan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Chen	Bregar	Loncan	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	30-50	15-25	30-40	---	---	5-30
Nevada bluegrass	PONE3	---	---	2-5	---	5-10	---
Sandberg bluegrass	POSE	---	2-8	---	---	---	---
Thurber needlegrass	STTH2	---	2-8	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	5-10	---
basin wildrye	ELCI2	---	---	2-10	---	---	---
bluebunch wheatgrass	AGSP	15-30	10-20	15-30	---	---	---
bluegrass	POA++	2-10	---	---	---	---	5-15
sedge	CAREX	---	---	---	---	5-10	---
tufted hairgrass	DECE	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	2-5	---
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---
cinquefoil	POTEN	---	---	---	---	2-5	---
goldenweed	HAPLO2	---	---	---	---	---	2-5
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---
Douglas rabbitbrush	CHVI8	---	2-5	---	---	---	---
antelope bitterbrush	PUTR2	2-5	5-10	5-10	---	---	---
black sagebrush	ARARN	---	---	---	---	---	---
low sagebrush	ARAR8	15-25	25-35	---	---	---	---
mountain big sagebrush	ARVA2	---	---	10-20	---	---	---
sagebrush	ARTEM	---	---	---	---	---	30-35
Range site number		025XY017NV	025XY051NV	025XY012NV	none	025XY005NV	025XY024NV
Potential production (lb/acre):							
Favorable years		900	500	1400		3000	400
Normal years		700	300	1000		1700	275
Unfavorable years		400	200	700		1000	150

1880--Chen-Blitzen-Pequop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Chen	Blitzen	Pequop	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	30-50	2-5	30-40	---	30-50	---
Nevada bluegrass	PONE3	---	2-5	2-5	---	---	5-10
Thurber needlegrass	STTH2	---	2-8	---	---	---	---
basin wildrye	ELCI2	---	5-10	2-10	---	---	60-70
bluebunch wheatgrass	AGSP	15-30	50-60	15-30	---	15-30	---
bluegrass	POA++	2-10	---	---	---	2-10	---
mat muhly	MURI	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---
antelope bitterbrush	PUTR2	2-5	2-10	5-10	---	2-5	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10
low sagebrush	ARAR8	15-25	---	---	---	15-25	---
mountain big sagebrush	ARVA2	---	5-15	10-20	---	---	---
Range site number		025XY017NV	025XY009NV	025XY012NV	none	025XY017NV	025XY003NV
Potential production (lb/acre):							
Favorable years		900	1300	1400		900	4500
Normal years		700	900	1000		700	3500
Unfavorable years		400	700	700		400	2000

1881--Chen-Blitzen-Loncan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Chen	Blitzen	Loncan	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Cusick bluegrass	POCU3	---	---	---	---	5-10	---	---
Idaho fescue	FEID	30-50	2-5	30-40	---	50-65	---	---
Nevada bluegrass	PONE3	---	2-5	2-5	---	---	5-10	40-60
Thurber needlegrass	STTH2	---	2-8	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	20-40
basin wildrye	ELCI2	---	5-10	2-10	---	---	60-70	2-8
bluebunch wheatgrass	AGSP	15-30	50-60	15-30	---	2-5	---	---
bluegrass	POA++	2-10	---	---	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8	2-8
meadow barley	HOBR2	---	---	---	---	---	---	2-5
sedge	CAREX	---	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---	---
antelope bitterbrush	PUTR2	2-5	2-10	5-10	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
low sagebrush	ARAR8	15-25	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	5-15	10-20	---	2-8	---	---
Range site number		025XY017NV	025XY009NV	025XY012NV	none	025XY010NV	025XY003NV	025XY006NV
Potential production (lb/acre):								
Favorable years		900	1300	1400		1200	4500	2000
Normal years		700	900	1000		800	3500	1300
Unfavorable years		400	700	700		600	2000	800

1888--Chen-Pie Creek-Alyan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Chen	Pie Creek	Alyan	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	30-50	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	5-10	5-10
Sandberg bluegrass	POSE	---	2-8	---	---	---	---	---
Thurber needlegrass	STTH2	---	15-30	10-20	10-20	---	---	---
Webber ricegrass	STWE	---	2-8	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	5-10
basin wildrye	ELCI2	---	---	2-8	2-8	---	60-70	---
bluebunch wheatgrass	AGSP	15-30	20-40	20-35	20-35	---	---	---
bluegrass	POA++	2-10	---	2-10	2-10	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8	---
sedge	CAREX	---	---	---	---	---	---	5-10
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
tufted hairgrass	DECE	---	---	---	---	---	---	30-60
Sierra clover	TRWO	---	---	---	---	---	---	2-5
cinquefoil	POTEN	---	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-5	---	2-8	2-8	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
big sagebrush	ARTR2	---	---	10-20	10-20	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	15-25	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
sagebrush	ARTEM	---	20-30	---	---	---	---	---

Range site number	025XY017NV	025XY018NV	025XY014NV	025XY014NV	none	025XY003NV	025XY005NV
Potential production (lb/acre):							
Favorable years	900	800	1000	1000		4500	3000
Normal years	700	600	800	800		3500	1700
Unfavorable years	400	400	600	600		2000	1000

1889--Chen-Sumine association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Chen	Sumine	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-50	2-5	30-40	20-30	---	5-30
Nevada bluegrass	PONE3	---	2-5	2-5	---	---	---
Thurber needlegrass	STTH2	---	2-8	---	---	---	---
basin wildrye	ELCI2	---	5-10	2-10	40-60	---	---
big bluegrass	POAM	---	---	---	2-8	---	---
bluebunch wheatgrass	AGSP	15-30	50-60	15-30	---	---	---
bluegrass	POA++	2-10	---	---	---	---	5-15
mountain brome	BRCA5	---	---	---	2-10	---	---
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---
goldenweed	HAPLO2	---	---	---	---	---	2-5
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---
antelope bitterbrush	PUTR2	2-5	2-10	5-10	---	---	---
black sagebrush	ARARN	---	---	---	---	---	---
low sagebrush	ARAR8	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	---	5-15	10-20	2-5	---	---
sagebrush	ARTEM	---	---	---	---	---	30-35
Range site number		025XY017NV	025XY009NV	025XY012NV	025XY029NV	none	025XY024NV
Potential production (lb/acre):							
Favorable years		900	1300	1400	2000		400
Normal years		700	900	1000	1700		275
Unfavorable years		400	700	700	1300		150

1910--Mahala-Ramires association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Mahala	Ramires	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---
Sandberg bluegrass	POSE	2-8	---	---	2-8	---
Thurber needlegrass	STTH2	15-30	10-20	10-20	15-30	---
Webber ricegrass	STWE	2-8	---	---	2-8	---
basin wildrye	ELCI2	---	2-8	2-8	---	---
bluebunch wheatgrass	AGSP	20-40	20-35	20-35	20-40	---
bluegrass	POA++	---	2-10	2-10	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---
antelope bitterbrush	PUTR2	---	2-8	2-8	---	---
basin big sagebrush	ARTRT	---	---	---	---	---
big sagebrush	ARTR2	---	10-20	10-20	---	---
early sagebrush	ARLO9	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---
sagebrush	ARTEM	20-30	---	---	20-30	---
Range site number		025XY018NV	025XY014NV	025XY014NV	025XY018NV	none
Potential production (lb/acre):						
Favorable years		800	1000	1000	800	
Normal years		600	800	800	600	
Unfavorable years		400	600	600	400	

1920--Lerrow-Chen-Cotant association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Lerrow	Chen	Cotant	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	2-5	30-50	30-50	2-5	40-60	15-30	---
Nevada bluegrass	PONE3	2-5	---	---	2-5	2-8	---	---
Thurber needlegrass	STTH2	2-8	---	---	2-8	---	2-5	---
basin wildrye	ELCI2	5-10	---	---	5-10	2-8	---	---
bluebunch wheatgrass	AGSP	50-60	15-30	15-30	50-60	5-15	10-20	---
bluegrass	POA++	---	2-10	2-10	---	---	---	---
antelope bitterbrush	PUTR2	2-10	2-5	2-5	2-10	---	20-40	---
basin big sagebrush	ARTRT	---	---	---	---	10-20	---	---
low sagebrush	ARAR8	---	15-25	15-25	---	---	---	---
mountain big sagebrush	ARVA2	5-15	---	---	5-15	---	5-10	---
Range site number		025XY009NV	025XY017NV	025XY017NV	025XY009NV	025XY027NV	025XY007NV	none
Potential production (lb/acre):								
Favorable years		1300	900	900	1300	1300	2300	
Normal years		900	700	700	900	900	1400	
Unfavorable years		700	400	400	700	500	900	

1921--Lerrow-Quarz-Rugar association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Lerrow	Quarz	Rugar	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	40-60	2-5	15-30	30-50	40-60	30-40	---
Nevada bluegrass	PONE3	2-8	2-5	---	---	2-8	2-5	40-60
Thurber needlegrass	STTH2	---	2-8	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	20-40
basin wildrye	ELCI2	2-8	5-10	---	---	2-8	2-10	2-8
bluebunch wheatgrass	AGSP	5-15	50-60	---	15-30	5-15	15-30	---
bluegrass	POA++	---	---	---	2-10	---	---	---
bulbous oniongrass	MEBU	---	---	2-8	---	---	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
meadow barley	HOBR2	---	---	---	---	---	---	2-5
mountain brome	BRCA5	---	---	10-20	---	---	---	---
sedge	CAREX	---	---	---	---	---	---	2-8
slender wheatgrass	AGTR	---	---	2-8	---	---	---	---
arrowleaf balsamroot	BASA3	---	---	---	---	---	2-5	---
lupine	LUPIN	---	---	10-15	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	---	---	---	2-5	---
wyethia	WYETH	---	---	20-30	---	---	---	---
antelope bitterbrush	PUTR2	---	2-10	---	2-5	---	5-10	---
basin big sagebrush	ARTRT	10-20	---	---	---	10-20	---	---
low sagebrush	ARAR8	---	---	---	15-25	---	---	---
mountain big sagebrush	ARVA2	---	5-15	---	---	---	10-20	---

Range site number	025XY027NV	025XY009NV	025XY047NV	025XY017NV	025XY027NV	025XY012NV	025XY006NV
Potential production (lb/acre):							
Favorable years	1300	1300	2000	900	1300	1400	2000
Normal years	900	900	1500	700	900	1000	1300
Unfavorable years	500	700	1000	400	500	700	800

1931--Tweener-Cleavage-Reluctan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Tweener	Cleavage	Reluctan	Inclusion 1	Inclusion 2
Idaho fescue	FEID	15-30	30-50	30-40	---	---
Nevada bluegrass	PONE3	---	---	2-5	5-10	---
Thurber needlegrass	STTH2	2-5	---	---	---	5-15
basin wildrye	ELCI2	---	---	2-10	60-70	2-5
bluebunch wheatgrass	AGSP	10-20	15-30	15-30	---	60-80
bluegrass	POA++	---	2-10	---	---	---
mat muhly	MURI	---	---	---	2-8	---
streambank wheatgrass	AGDAR	---	---	---	2-8	---
arrowleaf balsamroot	BASA3	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	5-15
antelope bitterbrush	PUTR2	20-40	2-5	5-10	---	1-5
basin big sagebrush	ARTRT	---	---	---	5-10	---
low sagebrush	ARAR8	---	15-25	---	---	---
mountain big sagebrush	ARVA2	5-10	---	10-20	---	---
Range site number		025XY007NV	025XY017NV	025XY012NV	025XY003NV	025XY015NV
Potential production (lb/acre):						
Favorable years		2300	900	1400	4500	1000
Normal years		1400	700	1000	3500	700
Unfavorable years		900	400	700	2000	500

1932--Tweener-Sumine-Cleavage association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Tweener	Sumine	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Columbia needlegrass	STNE3	---	---	---	2-5	---	---	---
Cusick bluegrass	POCU3	---	---	---	---	5-10	---	---
Idaho fescue	FEID	15-30	2-5	30-50	2-10	50-65	---	---
Nevada bluegrass	PONE3	---	2-5	---	2-5	---	5-10	40-60
Thurber needlegrass	STTH2	2-5	2-8	---	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	---	20-40
basin wildrye	ELCI2	---	5-10	---	---	---	60-70	2-8
bluebunch wheatgrass	AGSP	10-20	50-60	15-30	2-5	2-5	---	---
bluegrass	POA++	---	---	2-10	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8	2-8
meadow barley	HOBR2	---	---	---	---	---	---	2-5
mountain brome	BRCA5	---	---	---	5-15	---	---	---
sedge	CAREX	---	---	---	---	---	---	2-8
slender wheatgrass	AGTR	---	---	---	5-15	---	---	---
spike-fescue	LEKI2	---	---	---	2-10	---	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
Utah serviceberry	AMUT	---	---	---	1-5	---	---	---
antelope bitterbrush	PUTR2	20-40	2-10	2-5	1-5	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
common chokecherry	PRVI	---	---	---	1-5	---	---	---
low sagebrush	ARAR8	---	---	15-25	---	---	---	---
mountain big sagebrush	ARVA2	5-10	5-15	---	5-15	2-8	---	---
snowberry	SYMPH	---	---	---	2-15	---	---	---

Range site number	025XY007NV	025XY009NV	025XY017NV	025XY004NV	025XY010NV	025XY003NV	025XY006NV
Potential production (lb/acre):							
Favorable years	2300	1300	900	2800	1200	4500	2000
Normal years	1400	900	700	1800	800	3500	1300
Unfavorable years	900	700	400	1200	600	2000	800

1933--Tweener-Pequop-Cleavage association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Tweener	Pequop	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	15-30	30-40	30-50	---	40-60	15-25	---
Nevada bluegrass	PONE3	---	2-5	---	---	2-8	---	---
Sandberg bluegrass	POSE	---	---	---	---	---	2-8	---
Thurber needlegrass	STTH2	2-5	---	---	5-15	---	2-8	---
basin wildrye	ELCI2	---	2-10	---	2-5	2-8	---	---
bluebunch wheatgrass	AGSP	10-20	15-30	15-30	60-80	5-15	10-20	---
bluegrass	POA++	---	---	2-10	---	---	---	---
arrowleaf balsamroot	BASA3	---	2-5	---	---	---	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	---	---	---	---
Douglas rabbitbrush	CHVI8	---	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	---	---	---	5-15	---	---	---
antelope bitterbrush	PUTR2	20-40	5-10	2-5	1-5	---	5-10	---
basin big sagebrush	ARTRT	---	---	---	---	10-20	---	---
low sagebrush	ARAR8	---	---	15-25	---	---	25-35	---
mountain big sagebrush	ARVA2	5-10	10-20	---	---	---	---	---

Range site number	025XY007NV	025XY012NV	025XY017NV	025XY015NV	025XY027NV	025XY051NV	none
Potential production (lb/acre):							
Favorable years	2300	1400	900	1000	1300	500	
Normal years	1400	1000	700	700	900	300	
Unfavorable years	900	700	400	500	500	200	

1950--McIvey-McIvey, very cobbly-Tusel association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		McIvey	McIvey	Tusel	Inclusion 1	Inclusion 2	Inclusion 3
Columbia needlegrass	STNE3	2-5	2-5	2-5	2-8	---	---
Idaho fescue	FEID	2-10	2-10	2-10	---	2-5	15-30
Letterman needlegrass	STLE4	---	---	---	2-5	---	---
Nevada bluegrass	PONE3	2-5	2-5	2-5	---	2-5	---
Thurber needlegrass	STTH2	---	---	---	---	2-8	2-5
basin wildrye	ELCI2	---	---	---	---	5-10	---
bluebunch wheatgrass	AGSP	2-5	2-5	2-5	---	50-60	10-20
mountain brome	BRCA5	5-15	5-15	5-15	5-10	---	---
slender wheatgrass	AGTR	5-15	5-15	5-15	5-10	---	---
spike-fescue	LEKI2	2-10	2-10	2-10	---	---	---
Utah serviceberry	AMUT	1-5	1-5	1-5	---	---	---
antelope bitterbrush	PUTR2	1-5	1-5	1-5	---	2-10	20-40
common chokecherry	PRVI	1-5	1-5	1-5	---	---	---
mountain big sagebrush	ARVA2	5-15	5-15	5-15	---	5-15	5-10
quaking aspen	POTR5	---	---	---	50-60	---	---
snowberry	SYMPH	2-15	2-15	2-15	---	---	---
willow	SALIX	---	---	---	1-8	---	---
Range site number		025XY004NV	025XY004NV	025XY004NV	025XY002NV	025XY009NV	025XY007NV
Potential production (lb/acre):							
Favorable years		2800	2800	2800	1800	1300	2300
Normal years		1800	1800	1800	1300	900	1400
Unfavorable years		1200	1200	1200	900	700	900

1980--Thwoop-Trunk-Pequop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Thwoop	Trunk	Pequop	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	---	---	30-40	---	30-50	---	---
Nevada bluegrass	PONE3	---	---	2-5	---	---	---	5-10
Sandberg bluegrass	POSE	---	2-5	---	---	---	2-8	---
Thurber needlegrass	STTH2	10-20	15-25	---	---	---	15-30	---
Webber ricegrass	STWE	---	---	---	---	---	2-8	---
basin wildrye	ELCI2	2-8	---	2-10	---	---	---	60-70
bluebunch wheatgrass	AGSP	20-35	25-40	15-30	---	15-30	20-40	---
bluegrass	POA++	2-10	---	---	---	2-10	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
arrowleaf balsamroot	BASA3	---	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	2-5	---	---	---	---
Wyoming big sagebrush	ARTRW	---	15-25	---	---	---	---	---
antelope bitterbrush	PUTR2	2-8	---	5-10	---	2-5	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
big sagebrush	ARTR2	10-20	---	---	---	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	15-25	---	---
mountain big sagebrush	ARVA2	---	---	10-20	---	---	---	---
sagebrush	ARTEM	---	---	---	---	---	20-30	---
Range site number		025XY014NV	025XY019NV	025XY012NV	none	025XY017NV	025XY018NV	025XY003NV
Potential production (lb/acre):								
Favorable years		1000	800	1400		900	800	4500
Normal years		800	600	1000		700	600	3500
Unfavorable years		600	400	700		400	400	2000

2000--Alyan-Cotant-Akler association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Alyan	Cotant	Akler	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-40	30-50	---	---	---	---	---
Nevada bluegrass	PONE3	2-5	---	---	---	---	5-10	5-10
Sandberg bluegrass	POSE	---	---	2-8	---	---	---	---
Thurber needlegrass	STTH2	---	---	15-30	5-15	---	---	---
Webber ricegrass	STWE	---	---	2-8	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	---	5-10	---
basin wildrye	ELCI2	2-10	---	---	30-50	---	---	60-70
bluebunch wheatgrass	AGSP	15-30	15-30	20-40	5-15	---	---	---
bluegrass	POA++	---	2-10	---	---	---	---	---
mat muhly	MURI	---	---	---	---	---	---	2-8
sedge	CAREX	---	---	---	---	---	5-10	---
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
tufted hairgrass	DECE	---	---	---	---	---	30-60	---
Sierra clover	TRWO	---	---	---	---	---	2-5	---
arrowleaf balsamroot	BASA3	2-5	---	---	---	---	---	---
cinquefoil	POTEN	---	---	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	2-5	---	---	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	5-10	2-5	---	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
big sagebrush	ARTR2	---	---	---	10-20	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	10-20	---	---	---	---	---	---
sagebrush	ARTEM	---	---	20-30	---	---	---	---

Range site number	025XY012NV	025XY017NV	025XY018NV	025XY013NV	none	025XY005NV	025XY003NV
Potential production (lb/acre):							
Favorable years	1400	900	800	1000		3000	4500
Normal years	1000	700	600	800		1700	3500
Unfavorable years	700	400	400	500		1000	2000

2001--Alyan, steep-Bregar-Alyan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Alyan	Bregar	Alyan	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Cusick bluegrass	POCU3	---	---	---	---	5-10	---	---
Idaho fescue	FEID	---	---	---	---	50-65	5-30	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	5-10
Sandberg bluegrass	POSE	---	2-8	---	---	---	---	---
Thurber needlegrass	STTH2	10-20	15-30	10-20	---	---	---	---
Webber ricegrass	STWE	---	2-8	---	---	---	---	---
basin wildrye	ELCI2	2-8	---	2-8	---	---	---	60-70
bluebunch wheatgrass	AGSP	20-35	20-40	20-35	---	2-5	---	---
bluegrass	POA++	2-10	---	2-10	---	---	5-15	---
mat muhly	MURI	---	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	---	---	2-8
goldenweed	HAPLO2	---	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-8	---	2-8	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	5-10
big sagebrush	ARTR2	10-20	---	10-20	---	---	---	---
black sagebrush	ARARN	---	---	---	---	---	---	---
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	2-8	---	---
sagebrush	ARTEM	---	20-30	---	---	---	30-35	---
Range site number		025XY014NV	025XY018NV	025XY014NV	none	025XY010NV	025XY024NV	025XY003NV
Potential production (lb/acre):								
Favorable years		1000	800	1000		1200	400	4500
Normal years		800	600	800		800	275	3500
Unfavorable years		600	400	600		600	150	2000

2002--Alyan, moderately steep-Alyan-Quarz association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Alyan	Alyan	Quarz	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	40-60	40-60	2-5	30-50	---	30-40	---
Nevada bluegrass	PONE3	2-8	2-8	2-5	---	5-10	2-5	---
Thurber needlegrass	STTH2	---	---	2-8	---	---	---	5-15
basin wildrye	ELCI2	2-8	2-8	5-10	---	60-70	2-10	2-5
bluebunch wheatgrass	AGSP	5-15	5-15	50-60	15-30	---	15-30	60-80
bluegrass	POA++	---	---	---	2-10	---	---	---
mat muhly	MURI	---	---	---	---	2-8	---	---
streambank wheatgrass	AGDAR	---	---	---	---	2-8	---	---
arrowleaf balsamroot	BASA3	---	---	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	5-15
antelope bitterbrush	PUTR2	---	---	2-10	2-5	---	5-10	1-5
basin big sagebrush	ARTRT	10-20	10-20	---	---	5-10	---	---
low sagebrush	ARAR8	---	---	---	15-25	---	---	---
mountain big sagebrush	ARVA2	---	---	5-15	---	---	10-20	---

Range site number	025XY027NV	025XY027NV	025XY009NV	025XY017NV	025XY003NV	025XY012NV	025XY015NV
Potential production (lb/acre):							
Favorable years	1300	1300	1300	900	4500	1400	1000
Normal years	900	900	900	700	3500	1000	700
Unfavorable years	500	500	700	400	2000	700	500

2003--Alyan-Deepeek-Susie Creek association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Alyan	Deepeek	Susie Creek	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	---
Sandberg bluegrass	POSE	---	2-5	---	2-5	---	---	---
Thurber needlegrass	STTH2	10-20	15-25	10-20	15-25	5-15	5-15	---
basin wildrye	ELCI2	2-8	---	2-8	---	2-5	2-5	---
bluebunch wheatgrass	AGSP	20-35	25-40	20-35	25-40	60-80	60-80	---
bluegrass	POA++	2-10	---	2-10	---	---	---	---
Wyoming big sagebrush	ARTRW	---	15-25	---	15-25	5-15	5-15	---
antelope bitterbrush	PUTR2	2-8	---	2-8	---	1-5	1-5	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	10-20	---	10-20	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
Range site number		025XY014NV	025XY019NV	025XY014NV	025XY019NV	025XY015NV	025XY015NV	none
Potential production (lb/acre):								
Favorable years		1000	800	1000	800	1000	1000	
Normal years		800	600	800	600	700	700	
Unfavorable years		600	400	600	400	500	500	

2004--Alyan, cobbly loam-Ninemile-Alyan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Alyan	Ninemile	Alyan	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	30-40	30-50	---	---	---	---	---
Nevada bluegrass	PONE3	2-5	---	---	---	5-10	5-10	---
Thurber needlegrass	STTH2	---	---	10-20	10-20	---	---	---
alpine timothy	PHAL2	---	---	---	---	5-10	---	---
basin wildrye	ELCI2	2-10	---	2-8	2-8	---	60-70	---
bluebunch wheatgrass	AGSP	15-30	15-30	20-35	20-35	---	---	---
bluegrass	POA++	---	2-10	2-10	2-10	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8	---
sedge	CAREX	---	---	---	---	5-10	---	---
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
tufted hairgrass	DECE	---	---	---	---	30-60	---	---
Sierra clover	TRWO	---	---	---	---	2-5	---	---
arrowleaf balsamroot	BASA3	2-5	---	---	---	---	---	---
cinquefoil	POTEN	---	---	---	---	2-5	---	---
tapertip hawksbeard	CRAC2	2-5	---	---	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	5-10	2-5	2-8	2-8	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
big sagebrush	ARTR2	---	---	10-20	10-20	---	---	---
low sagebrush	ARAR8	---	15-25	---	---	---	---	---
mountain big sagebrush	ARVA2	10-20	---	---	---	---	---	---

Range site number	025XY012NV	025XY017NV	025XY014NV	025XY014NV	025XY005NV	025XY003NV	none
Potential production (lb/acre):							
Favorable years	1400	900	1000	1000	3000	4500	
Normal years	1000	700	800	800	1700	3500	
Unfavorable years	700	400	600	600	1000	2000	

2005--Alyan-Graley-Rock outcrop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Alyan	Graley	Rock outcrop	Inclusion 1	Inclusion 2
Canby bluegrass	POCA	---	---	---	---	---
Idaho fescue	FEID	---	30-40	---	---	---
Indian ricegrass	ORHY	---	---	---	15-30	---
Nevada bluegrass	PONE3	---	2-5	---	---	5-10
Thurber needlegrass	STTH2	10-20	---	---	---	---
basin wildrye	ELCI2	2-8	2-10	---	2-8	60-70
bluebunch wheatgrass	AGSP	20-35	15-30	---	---	---
bluegrass	POA++	2-10	---	---	---	---
bottlebrush squirreltail	SIHY	---	---	---	5-10	---
mat muhly	MURI	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	2-8
arrowleaf balsamroot	BASA3	---	2-5	---	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	15-30	---
antelope bitterbrush	PUTR2	2-8	5-10	---	2-8	---
basin big sagebrush	ARTRT	---	---	---	---	5-10
big sagebrush	ARTR2	10-20	---	---	---	---
black sagebrush	ARARN	---	---	---	10-20	---
mountain big sagebrush	ARVA2	---	10-20	---	---	---
spiny hopsage	GRSP	---	---	---	2-5	---
Range site number		025XY014NV	025XY012NV	none	025XY025NV	025XY003NV
Potential production (lb/acre):						
Favorable years		1000	1400		500	4500
Normal years		800	1000		350	3500
Unfavorable years		600	700		200	2000

2171--Deseed-Reluctan-Cleavage association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Deseed	Reluctan	Cleavage	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	---	30-40	30-50	30-50	---	---	---
Nevada bluegrass	PONE3	---	2-5	---	---	---	---	---
Thurber needlegrass	STTH2	10-20	---	---	---	10-20	---	---
basin wildrye	ELCI2	2-8	2-10	---	---	2-8	---	---
bluebunch wheatgrass	AGSP	20-35	15-30	15-30	15-30	20-35	---	---
bluegrass	POA++	2-10	---	2-10	2-10	2-10	---	---
arrowleaf balsamroot	BASA3	---	2-5	---	---	---	---	---
tapertip hawksbeard	CRAC2	---	2-5	---	---	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-8	5-10	2-5	2-5	2-8	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	10-20	---	---	---	10-20	---	---
low sagebrush	ARAR8	---	---	15-25	15-25	---	---	---
mountain big sagebrush	ARVA2	---	10-20	---	---	---	---	---
Range site number		025XY014NV	025XY012NV	025XY017NV	025XY017NV	025XY014NV	none	none
Potential production (lb/acre):								
Favorable years		1000	1400	900	900	1000		
Normal years		800	1000	700	700	800		
Unfavorable years		600	700	400	400	600		

2173--Deseed-Quarz association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Deseed	Quarz	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	---	---	30-40
Nevada bluegrass	PONE3	---	---	---	---	---	2-5
Thurber needlegrass	STTH2	10-20	10-20	---	10-20	---	---
basin wildrye	ELCI2	2-8	2-8	---	2-8	---	2-10
bluebunch wheatgrass	AGSP	20-35	20-35	---	20-35	---	15-30
bluegrass	POA++	2-10	2-10	---	2-10	---	---
arrowleaf balsamroot	BASA3	---	---	---	---	---	2-5
tapertip hawksbeard	CRAC2	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-8	2-8	---	2-8	---	5-10
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	10-20	10-20	---	10-20	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	10-20
Range site number		025XY014NV	025XY014NV	none	025XY014NV	none	025XY012NV
Potential production (lb/acre):							
Favorable years		1000	1000		1000		1400
Normal years		800	800		800		1000
Unfavorable years		600	600		600		700

2205--Coltroop-Snowmore association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Coltroop	Snowmore	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-8	2-8	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-30	15-30	15-25	15-25
Webber ricegrass	STWE	---	---	2-8	2-8	---	---
bluebunch wheatgrass	AGSP	25-40	25-40	20-40	20-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	---	---	15-25	15-25
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
sagebrush	ARTEM	---	---	20-30	20-30	---	---
Range site number		025XY019NV	025XY019NV	025XY018NV	025XY018NV	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2206--Coltroop-Vanwyper association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Coltroop	Vanwyper	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	none
Potential production (lb/acre):						
Favorable years		800	800	800	800	
Normal years		600	600	600	600	
Unfavorable years		400	400	400	400	

2310--Bulake-Deunah-Bulake, very cobbly association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bulake	Deunah	Bulake	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-50	30-50	30-50	40-60	---	---	40-60
Nevada bluegrass	PONE3	---	---	---	2-8	---	---	2-8
basin wildrye	ELCI2	---	---	---	2-8	---	---	2-8
bluebunch wheatgrass	AGSP	15-30	15-30	15-30	5-15	---	---	5-15
bluegrass	POA++	2-10	2-10	2-10	---	---	---	---
antelope bitterbrush	PUTR2	2-5	2-5	2-5	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	10-20	---	---	10-20
low sagebrush	ARAR8	15-25	15-25	15-25	---	---	---	---
Range site number		025XY017NV	025XY017NV	025XY017NV	025XY027NV	none	none	025XY027NV
Potential production (lb/acre):								
Favorable years		900	900	900	1300			1300
Normal years		700	700	700	900			900
Unfavorable years		400	400	400	500			500

2311--Bulake-Hatpeak-Petan association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bulake	Hatpeak	Petan	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	30-50	40-60	---	30-40	---	---	---
Nevada bluegrass	PONE3	---	2-8	---	2-5	40-60	---	---
Sandberg bluegrass	POSE	---	---	2-10	---	---	---	---
Thurber needlegrass	STTH2	---	---	10-20	---	---	5-15	5-15
Webber ricegrass	STWE	---	---	5-10	---	---	---	---
alpine timothy	PHAL2	---	---	---	---	20-40	---	---
basin wildrye	ELCI2	---	2-8	---	2-10	2-8	2-5	2-5
bluebunch wheatgrass	AGSP	15-30	5-15	20-30	15-30	---	60-80	60-80
bluegrass	POA++	2-10	---	---	---	---	---	---
mat muhly	MURI	---	---	---	---	2-8	---	---
meadow barley	HOBR2	---	---	---	---	2-5	---	---
sedge	CAREX	---	---	---	---	2-8	---	---
arrowleaf balsamroot	BASA3	---	---	---	2-5	---	---	---
balsamroot	BALSA	---	---	2-5	---	---	---	---
tapertip hawksbeard	CRAC2	---	---	---	2-5	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	5-15	5-15
antelope bitterbrush	PUTR2	2-5	---	---	5-10	---	1-5	1-5
basin big sagebrush	ARTRT	---	10-20	---	---	---	---	---
low sagebrush	ARAR8	15-25	---	25-35	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	10-20	---	---	---

Range site number	025XY017NV	025XY027NV	025XY022NV	025XY012NV	025XY006NV	025XY015NV	025XY015NV
Potential production (lb/acre):							
Favorable years	900	1300	600	1400	2000	1000	1000
Normal years	700	900	400	1000	1300	700	700
Unfavorable years	400	500	250	700	800	500	500

2505--Buffaran-Zevadez association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Buffaran	Zevadez	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	---	---	---	---	15-30	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	---	5-15
basin wildrye	ELCI2	---	---	---	---	2-8	2-5
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	---	60-80
bottlebrush squirreltail	SIHY	---	---	---	---	5-10	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-30	5-15
antelope bitterbrush	PUTR2	---	---	---	---	2-8	1-5
black sagebrush	ARARN	---	---	---	---	10-20	---
spiny hopsage	GRSP	---	---	---	---	2-5	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY025NV	025XY015NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	500	1000
Normal years		600	600	600	600	350	700
Unfavorable years		400	400	400	400	200	500

2511--Bilbo-Alley-Deepeek association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bilbo	Alley	Deepeek	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	---	---	---	---	---	---	15-30
Sandberg bluegrass	POSE	---	2-5	---	---	---	2-5	---
Thurber needlegrass	STTH2	5-15	15-25	5-15	---	---	15-25	---
basin wildrye	ELCI2	2-5	---	2-5	---	---	---	2-8
bluebunch wheatgrass	AGSP	60-80	25-40	60-80	---	---	25-40	---
bottlebrush squirreltail	SIHY	---	---	---	---	---	---	5-10
Wyoming big sagebrush	ARTRW	5-15	15-25	5-15	---	---	15-25	15-30
antelope bitterbrush	PUTR2	1-5	---	1-5	---	---	---	2-8
black sagebrush	ARARN	---	---	---	---	---	---	10-20
spiny hopsage	GRSP	---	---	---	---	---	---	2-5
Range site number		025XY015NV	025XY019NV	025XY015NV	none	none	025XY019NV	025XY025NV
Potential production (lb/acre):								
Favorable years		1000	800	1000			800	500
Normal years		700	600	700			600	350
Unfavorable years		500	400	500			400	200

2514--Bilbo-Susie Creek-Buffaran association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Bilbo	Susie Creek	Buffaran	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Indian ricegrass	ORHY	---	---	---	---	---	---	15-30
Nevada bluegrass	PONE3	---	---	---	---	---	---	---
Sandberg bluegrass	POSE	---	---	2-5	---	---	2-5	---
Thurber needlegrass	STTH2	5-15	10-20	15-25	10-20	10-20	15-25	---
basin wildrye	ELCI2	2-5	2-8	---	2-8	2-8	---	2-8
bluebunch wheatgrass	AGSP	60-80	20-35	25-40	20-35	20-35	25-40	---
bluegrass	POA++	---	2-10	---	2-10	2-10	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	---	---	5-10
Wyoming big sagebrush	ARTRW	5-15	---	15-25	---	---	15-25	15-30
antelope bitterbrush	PUTR2	1-5	2-8	---	2-8	2-8	---	2-8
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	10-20	---	10-20	10-20	---	---
black sagebrush	ARARN	---	---	---	---	---	---	10-20
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
spiny hopsage	GRSP	---	---	---	---	---	---	2-5
Range site number		025XY015NV	025XY014NV	025XY019NV	025XY014NV	025XY014NV	025XY019NV	025XY025NV
Potential production (lb/acre):								
Favorable years		1000	1000	800	1000	1000	800	500
Normal years		700	800	600	800	800	600	350
Unfavorable years		500	600	400	600	600	400	200

2521--Dewar-Chiara-Chiara, very cobbly association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Dewar	Chiara	Chiara	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	none
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	
Normal years		600	600	600	600	600	
Unfavorable years		400	400	400	400	400	

2522--Dewar-Sodhouse association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Dewar	Sodhouse	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	5-15	40-60	---	---	20-30	---
Sandberg bluegrass	POSE	2-5	---	2-5	2-5	---	---
Thurber needlegrass	STTH2	20-40	---	15-25	15-25	---	---
Webber ricegrass	STWE	2-8	---	---	---	---	---
bluebunch wheatgrass	AGSP	---	---	25-40	25-40	---	---
bottlebrush squirreltail	SIHY	2-5	2-8	---	---	5-10	---
desert globemallow	SPAM2	---	2-5	---	---	---	---
Wyoming big sagebrush	ARTRW	20-30	---	15-25	15-25	---	---
bud sagebrush	ARSP5	---	2-8	---	---	---	---
sickle saltbush	ATFA	---	---	---	---	50-60	---
spiny hopsage	GRSP	2-5	---	---	---	---	---
winterfat	EULA5	---	20-25	---	---	---	---
Range site number		023XY006NV	024XY059NV	025XY019NV	025XY019NV	024XY012NV	none
Potential production (lb/acre):							
Favorable years		800	700	800	800	700	
Normal years		600	500	600	600	400	
Unfavorable years		400	300	400	400	200	

2531--Clurde Variant-Clurde-Rock outcrop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Clurde Variant	Clurde	Rock outcrop	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	---	---	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	---	2-10	15-25	15-25	15-25
Webber ricegrass	STWE	---	---	---	2-5	---	---	---
bluebunch wheatgrass	AGSP	25-40	25-40	---	70-80	25-40	25-40	25-40
sedge	CAREX	---	---	---	2-5	---	---	---
Wyoming big sagebrush	ARTRW	15-25	15-25	---	---	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	none	025XY050NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):								
Favorable years		800	800		800	800	800	800
Normal years		600	600		600	600	600	600
Unfavorable years		400	400		400	400	400	400

2541--Kelk very fine sandy loam, occasionally flooded, 0 to 2 percent slopes

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		Kelk	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	---	5-10	---
Sandberg bluegrass	POSE	---	---	2-5
Thurber needlegrass	STTH2	---	---	15-25
basin wildrye	ELCI2	55-65	60-70	---
bluebunch wheatgrass	AGSP	---	---	25-40
creeping wildrye	ELTR3	5-15	---	---
mat muhly	MURI	---	2-8	---
streambank wheatgrass	AGDAR	---	2-8	---
western wheatgrass	AGSM	5-15	---	---
Wyoming big sagebrush	ARTRW	---	---	15-25
basin big sagebrush	ARTRT	10-15	5-10	---
black greasewood	SAVE4	2-8	---	---
Range site number		024XY006NV	025XY003NV	025XY019NV
Potential production (lb/acre):				
Favorable years		1500	4500	800
Normal years		1100	3500	600
Unfavorable years		600	2000	400

2545--Kelk-Clurde association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Kelk	Clurde	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	---
basin wildrye	ELCI2	---	---	---	---	55-65
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	---
creeping wildrye	ELTR3	---	---	---	---	5-15
western wheatgrass	AGSM	---	---	---	---	5-15
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	---
basin big sagebrush	ARTRT	---	---	---	---	10-15
black greasewood	SAVE4	---	---	---	---	2-8
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	024XY006NV
Potential production (lb/acre):						
Favorable years		800	800	800	800	1500
Normal years		600	600	600	600	1100
Unfavorable years		400	400	400	400	600

2555--Piline silty clay loam

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		Piline	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	15-25	5-15	---
Sandberg bluegrass	POSE	---	---	2-5
Thurber needlegrass	STTH2	---	---	15-25
bluebunch wheatgrass	AGSP	---	---	25-40
mat muhly	MURI	50-70	20-30	---
povertyweed	IVAX	2-5	2-5	---
Wyoming big sagebrush	ARTRW	---	---	15-25
mountain silver sagebrush	ARCAV	2-5	50-65	---
Range site number		025XY049NV	025XY048NV	025XY019NV
Potential production (lb/acre):				
Favorable years		450	350	800
Normal years		325	250	600
Unfavorable years		250	150	400

2560--McCleary silt loam, occasionally flooded

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		McCleary	Inclusion 1	Inclusion 2	Inclusion 3
Nevada bluegrass	PONE3	5-15	---	15-25	---
Sandberg bluegrass	POSE	---	2-5	---	2-5
Thurber needlegrass	STTH2	---	15-25	---	15-25
bluebunch wheatgrass	AGSP	---	25-40	---	25-40
mat muhly	MURI	20-30	---	50-70	---
povertyweed	IVAX	2-5	---	2-5	---
Wyoming big sagebrush	ARTRW	---	15-25	---	15-25
mountain silver sagebrush	ARCAV	50-65	---	2-5	---
Range site number		025XY048NV	025XY019NV	025XY049NV	025XY019NV
Potential production (lb/acre):					
Favorable years		350	800	450	800
Normal years		250	600	325	600
Unfavorable years		150	400	250	400

2561--McCleary cobbly silt loam, drained, rarely flooded

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		McCleary	Inclusion 1	Inclusion 2
Nevada bluegrass	PONE3	---	5-15	---
Sandberg bluegrass	POSE	2-5	---	2-5
Thurber needlegrass	STTH2	15-25	---	15-25
bluebunch wheatgrass	AGSP	25-40	---	25-40
mat muhly	MURI	---	20-30	---
povertyweed	IVAX	---	2-5	---
Wyoming big sagebrush	ARTRW	15-25	---	15-25
mountain silver sagebrush	ARCAV	---	50-65	---
Range site number		025XY019NV	025XY048NV	025XY019NV
Potential production (lb/acre):				
Favorable years		800	350	800
Normal years		600	250	600
Unfavorable years		400	150	400

2571--Chiara, cobbly-Chiara-Chiara, very cobbly association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Chiara	Chiara	Chiara	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2572--Chiara-Chiara, moderately eroded association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Chiara	Chiara	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	2-10
Webber ricegrass	STWE	---	---	---	---	---	2-5
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	70-80
sedge	CAREX	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY050NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2573--Chiara, very cobbly-Chiara association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Chiara	Chiara	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	2-10	15-25	---
Webber ricegrass	STWE	---	---	---	2-5	---	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	70-80	25-40	---
sedge	CAREX	---	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---	15-25	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY050NV	025XY019NV	none
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	
Normal years		600	600	600	600	600	
Unfavorable years		400	400	400	400	400	

2575--Chiara-Dacker-Shalake association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Chiara	Dacker	Shalake	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	2-10
Webber ricegrass	STWE	---	---	---	---	---	2-5
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	70-80
sedge	CAREX	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY050NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2577--Chiara-Orovada association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Chiara	Orovada	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	---	5-15	---	30-40
Sandberg bluegrass	POSE	---	2-8	---	---
Thurber needlegrass	STTH2	40-50	15-25	40-50	---
basin wildrye	ELCI2	---	---	---	2-8
bluebunch wheatgrass	AGSP	2-10	---	2-10	---
bottlebrush squirreltail	SIHY	---	2-5	---	---
needleandthread	STCO4	---	---	---	5-15
thickspike wheatgrass	AGDA	---	---	---	5-10
canaigre	RUHY	---	---	---	1-3
globemallow	SPHAE	1-3	1-2	1-3	---
lemon scurfpea	PSLA	---	---	---	1-3
tufted eveningprimrose	OECE2	---	---	---	1-3
Wyoming big sagebrush	ARTRW	25-35	20-35	25-35	---
basin big sagebrush	ARTRT	---	---	---	25-30
fourwing saltbush	ATCA2	---	---	---	2-8
spiny hopsage	GRSP	2-5	5-20	2-5	2-8
Range site number		024XY005NV	024XY020NV	024XY005NV	024XY001NV
Potential production (lb/acre):					
Favorable years		800	700	800	800
Normal years		600	450	600	500
Unfavorable years		400	300	400	300

2600--Shalake-Chiara-Shalake, gently sloping association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Shalake	Chiara	Shalake	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	2-10	15-25	15-25
Webber ricegrass	STWE	---	---	---	---	2-5	---	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	70-80	25-40	25-40
sedge	CAREX	---	---	---	---	2-5	---	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	---	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY050NV	025XY019NV	025XY019NV
Potential production (lb/acre):								
Favorable years		800	800	800	800	800	800	800
Normal years		600	600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400	400

2611--Dacker-Hunnton association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Dacker	Hunnton	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):						
Favorable years		800	800	800	800	800
Normal years		600	600	600	600	600
Unfavorable years		400	400	400	400	400

2612--Dacker-Zevadez association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Dacker	Zevadez	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):						
Favorable years		800	800	800	800	800
Normal years		600	600	600	600	600
Unfavorable years		400	400	400	400	400

2615--Dacker-Chiara association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Dacker	Chiara	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	2-10
Webber ricegrass	STWE	---	---	---	---	---	2-5
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	70-80
sedge	CAREX	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY050NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2621--Gochea-Susie Creek-Carstump association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Gochea	Susie Creek	Carstump	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	---
Sandberg bluegrass	POSE	---	---	---	---	2-5	---	---
Thurber needlegrass	STTH2	10-20	10-20	10-20	10-20	15-25	---	---
basin wildrye	ELCI2	2-8	2-8	2-8	2-8	---	---	---
bluebunch wheatgrass	AGSP	20-35	20-35	20-35	20-35	25-40	---	---
bluegrass	POA++	2-10	2-10	2-10	2-10	---	---	---
Wyoming big sagebrush	ARTRW	---	---	---	---	15-25	---	---
antelope bitterbrush	PUTR2	2-8	2-8	2-8	2-8	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	10-20	10-20	10-20	10-20	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
Range site number		025XY014NV	025XY014NV	025XY014NV	025XY014NV	025XY019NV	none	none
Potential production (lb/acre):								
Favorable years		1000	1000	1000	1000	800		
Normal years		800	800	800	800	600		
Unfavorable years		600	600	600	600	400		

2641--Olac-Snowmore association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Olac	Snowmore	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-8	2-5	2-5	2-5	---	---
Thurber needlegrass	STTH2	15-30	15-25	15-25	15-25	---	2-10
Webber ricegrass	STWE	2-8	---	---	---	---	2-5
bluebunch wheatgrass	AGSP	20-40	25-40	25-40	25-40	---	70-80
sedge	CAREX	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	---	15-25	15-25	15-25	---	---
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
sagebrush	ARTEM	20-30	---	---	---	---	---
Range site number		025XY018NV	025XY019NV	025XY019NV	025XY019NV	none	025XY050NV
Potential production (lb/acre):							
Favorable years		800	800	800	800		800
Normal years		600	600	600	600		600
Unfavorable years		400	400	400	400		400

2650--Wieland-Bartome-Zevadez association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Wieland	Bartome	Zevadez	Inclusion 1	Inclusion 2
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):						
Favorable years		800	800	800	800	800
Normal years		600	600	600	600	600
Unfavorable years		400	400	400	400	400

2651--Wieland-Buffaran association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Wieland	Buffaran	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	---	---	---	---	15-30	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	---	---
basin wildrye	ELCI2	---	---	---	---	2-8	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	5-10	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-30	---
antelope bitterbrush	PUTR2	---	---	---	---	2-8	---
black sagebrush	ARARN	---	---	---	---	10-20	---
spiny hopsage	GRSP	---	---	---	---	2-5	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY025NV	none
Potential production (lb/acre):							
Favorable years		800	800	800	800	500	
Normal years		600	600	600	600	350	
Unfavorable years		400	400	400	400	200	

2652--Wieland-Dacker-Zevadez association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Wieland	Dacker	Zevadez	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-8	---	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-30	10-20	15-25
Webber ricegrass	STWE	---	---	---	---	2-8	---	---
basin wildrye	ELCI2	---	---	---	---	---	2-8	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	20-40	20-35	25-40
bluegrass	POA++	---	---	---	---	---	2-10	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	---	---	15-25
antelope bitterbrush	PUTR2	---	---	---	---	---	2-8	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	---	10-20	---
early sagebrush	ARLO9	---	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
sagebrush	ARTEM	---	---	---	---	20-30	---	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY018NV	025XY014NV	025XY019NV
Potential production (lb/acre):								
Favorable years		800	800	800	800	800	1000	800
Normal years		600	600	600	600	600	800	600
Unfavorable years		400	400	400	400	400	600	400

2655--Wieland-Gumble-Bilbo association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Wieland	Gumble	Bilbo	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	---	---	40-60	---
Nevada bluegrass	PONE3	---	---	---	---	---	2-8	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---	---	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	5-15	---	10-20
basin wildrye	ELCI2	---	---	---	---	2-5	2-8	2-8
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	60-80	5-15	20-35
bluegrass	POA++	---	---	---	---	---	---	2-10
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	5-15	---	---
antelope bitterbrush	PUTR2	---	---	---	---	1-5	---	2-8
basin big sagebrush	ARTRT	---	---	---	---	---	10-20	---
big sagebrush	ARTR2	---	---	---	---	---	---	10-20
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY015NV	025XY027NV	025XY014NV
Potential production (lb/acre):								
Favorable years		800	800	800	800	1000	1300	1000
Normal years		600	600	600	600	700	900	800
Unfavorable years		400	400	400	400	500	500	600

2656--Wieland-Hunnton-Thwoop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Wieland	Hunnton	Thwoop	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	5-10	---
Sandberg bluegrass	POSE	2-5	2-5	---	2-5	2-5	---	2-5
Thurber needlegrass	STTH2	15-25	15-25	10-20	15-25	15-25	---	15-25
basin wildrye	ELCI2	---	---	2-8	---	---	60-70	---
bluebunch wheatgrass	AGSP	25-40	25-40	20-35	25-40	25-40	---	25-40
bluegrass	POA++	---	---	2-10	---	---	---	---
mat muhly	MURI	---	---	---	---	---	2-8	---
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8	---
Wyoming big sagebrush	ARTRW	15-25	15-25	---	15-25	15-25	---	15-25
antelope bitterbrush	PUTR2	---	---	2-8	---	---	---	---
basin big sagebrush	ARTRT	---	---	---	---	---	5-10	---
big sagebrush	ARTR2	---	---	10-20	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
Range site number		025XY019NV	025XY019NV	025XY014NV	025XY019NV	025XY019NV	025XY003NV	025XY019NV
Potential production (lb/acre):								
Favorable years		800	800	1000	800	800	4500	800
Normal years		600	600	800	600	600	3500	600
Unfavorable years		400	400	600	400	400	2000	400

2658--Wieland very gravelly loam, 15 to 30 percent slopes

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Wieland	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):					
Favorable years		800	800	800	800
Normal years		600	600	600	600
Unfavorable years		400	400	400	400

2666--Puett-Orovada association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		Puett	Orovada	Inclusion 1
Indian ricegrass	ORHY	15-30	5-15	---
Sandberg bluegrass	POSE	---	2-8	---
Thurber needlegrass	STTH2	---	15-25	40-50
basin wildrye	ELCI2	2-8	---	---
bluebunch wheatgrass	AGSP	---	---	2-10
bottlebrush squirreltail	SIHY	5-10	2-5	---
globemallow	SPHAE	---	1-2	1-3
Wyoming big sagebrush	ARTRW	15-30	20-35	25-35
antelope bitterbrush	PUTR2	2-8	---	---
black sagebrush	ARARN	10-20	---	---
spiny hopsage	GRSP	2-5	5-20	2-5
Range site number		025XY025NV	024XY020NV	024XY005NV
Potential production (lb/acre):				
Favorable years		500	700	800
Normal years		350	450	600
Unfavorable years		200	300	400

2667--Puett-Rock outcrop-Clurde association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Puett	Rock outcrop	Clurde	Inclusion 1	Inclusion 2	Inclusion 3
Indian ricegrass	ORHY	15-30	---	---	---	---	---
Sandberg bluegrass	POSE	---	---	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	---	---	15-25	15-25	15-25	15-25
basin wildrye	ELCI2	2-8	---	---	---	---	---
bluebunch wheatgrass	AGSP	---	---	25-40	25-40	25-40	25-40
bottlebrush squirreltail	SIHY	5-10	---	---	---	---	---
Wyoming big sagebrush	ARTRW	15-30	---	15-25	15-25	15-25	15-25
antelope bitterbrush	PUTR2	2-8	---	---	---	---	---
black sagebrush	ARARN	10-20	---	---	---	---	---
spiny hopsage	GRSP	2-5	---	---	---	---	---
Range site number		025XY025NV	none	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years		500		800	800	800	800
Normal years		350		600	600	600	600
Unfavorable years		200		400	400	400	400

2668--Puett-Yuko-Zevadez association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Puett	Yuko	Zevadez	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	15-30	---	---	---	---	---	---
Sandberg bluegrass	POSE	---	2-5	2-5	2-5	2-5	---	2-5
Thurber needlegrass	STTH2	---	15-25	15-25	15-25	15-25	---	15-25
basin wildrye	ELCI2	2-8	---	---	---	---	---	---
bluebunch wheatgrass	AGSP	---	25-40	25-40	25-40	25-40	---	25-40
bottlebrush squirreltail	SIHY	5-10	---	---	---	---	---	---
Wyoming big sagebrush	ARTRW	15-30	15-25	15-25	15-25	15-25	---	15-25
antelope bitterbrush	PUTR2	2-8	---	---	---	---	---	---
black sagebrush	ARARN	10-20	---	---	---	---	---	---
spiny hopsage	GRSP	2-5	---	---	---	---	---	---
Range site number		025XY025NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	none	025XY019NV
Potential production (lb/acre):								
Favorable years		500	800	800	800	800		800
Normal years		350	600	600	600	600		600
Unfavorable years		200	400	400	400	400		400

2710--Ramires-Bartome-Bilbo association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Ramires	Bartome	Bilbo	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---
Sandberg bluegrass	POSE	---	2-5	---	2-5	---	2-5
Thurber needlegrass	STTH2	10-20	15-25	5-15	15-25	10-20	15-25
basin wildrye	ELCI2	2-8	---	2-5	---	2-8	---
bluebunch wheatgrass	AGSP	20-35	25-40	60-80	25-40	20-35	25-40
bluegrass	POA++	2-10	---	---	---	2-10	---
Wyoming big sagebrush	ARTRW	---	15-25	5-15	15-25	---	15-25
antelope bitterbrush	PUTR2	2-8	---	1-5	---	2-8	---
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	10-20	---	---	---	10-20	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
Range site number		025XY014NV	025XY019NV	025XY015NV	025XY019NV	025XY014NV	025XY019NV
Potential production (lb/acre):							
Favorable years		1000	800	1000	800	1000	800
Normal years		800	600	700	600	800	600
Unfavorable years		600	400	500	400	600	400

2711--Ramires-Bilbo-Buffaran association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Ramires	Bilbo	Buffaran	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	---	40-60	---
Nevada bluegrass	PONE3	---	---	---	---	2-8	---
Sandberg bluegrass	POSE	---	---	2-5	---	---	2-5
Thurber needlegrass	STTH2	10-20	5-15	15-25	10-20	---	15-25
basin wildrye	ELCI2	2-8	2-5	---	2-8	2-8	---
bluebunch wheatgrass	AGSP	20-35	60-80	25-40	20-35	5-15	25-40
bluegrass	POA++	2-10	---	---	2-10	---	---
Wyoming big sagebrush	ARTRW	---	5-15	15-25	---	---	15-25
antelope bitterbrush	PUTR2	2-8	1-5	---	2-8	---	---
basin big sagebrush	ARTRT	---	---	---	---	10-20	---
big sagebrush	ARTR2	10-20	---	---	10-20	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
Range site number		025XY014NV	025XY015NV	025XY019NV	025XY014NV	025XY027NV	025XY019NV
Potential production (lb/acre):							
Favorable years		1000	1000	800	1000	1300	800
Normal years		800	700	600	800	900	600
Unfavorable years		600	500	400	600	500	400

2741--Wilsor-Wilsor, moderately steep association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Wilsor	Wilsor	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---
Indian ricegrass	ORHY	---	---	15-30	---	---
Nevada bluegrass	PONE3	---	---	---	---	---
Sandberg bluegrass	POSE	2-5	2-5	---	---	---
Thurber needlegrass	STTH2	15-25	15-25	---	10-20	---
basin wildrye	ELCI2	---	---	2-8	2-8	---
bluebunch wheatgrass	AGSP	25-40	25-40	---	20-35	---
bluegrass	POA++	---	---	---	2-10	---
bottlebrush squirreltail	SIHY	---	---	5-10	---	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-30	---	---
antelope bitterbrush	PUTR2	---	---	2-8	2-8	---
basin big sagebrush	ARTRT	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	10-20	---
black sagebrush	ARARN	---	---	10-20	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---
spiny hopsage	GRSP	---	---	2-5	---	---
Range site number		025XY019NV	025XY019NV	025XY025NV	025XY014NV	none
Potential production (lb/acre):						
Favorable years		800	800	500	1000	
Normal years		600	600	350	800	
Unfavorable years		400	400	200	600	

2751--Yuko-Chime-Clurde association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Yuko	Chime	Clurde	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):								
Favorable years		800	800	800	800	800	800	800
Normal years		600	600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400	400

2775--Zevadez-Bartome-Wieland association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Zevadez	Bartome	Wieland	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2776--Zevadez-Chiara association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Zevadez	Chiara	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2777--Zevadez-Wieland-Clurde association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Zevadez	Wieland	Clurde	Inclusion 1	Inclusion 2	Inclusion 3
Nevada bluegrass	PONE3	---	---	---	5-15	---	5-15
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	---	15-25	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	---	25-40	---
mat muhly	MURI	---	---	---	20-30	---	20-30
povertyweed	IVAX	---	---	---	2-5	---	2-5
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---	15-25	---
mountain silver sagebrush	ARCAV	---	---	---	50-65	---	50-65
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY048NV	025XY019NV	025XY048NV
Potential production (lb/acre):							
Favorable years		800	800	800	350	800	350
Normal years		600	600	600	250	600	250
Unfavorable years		400	400	400	150	400	150

2778--Zevadez-Yuko-Kelk association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Zevadez	Yuko	Kelk	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):								
Favorable years		800	800	800	800	800	800	800
Normal years		600	600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400	400

2780--Snowmore, cobbly-Snowmore association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Snowmore	Snowmore	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-8	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-30	---
Webber ricegrass	STWE	---	---	---	---	2-8	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	20-40	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	---	---
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
sagebrush	ARTEM	---	---	---	---	20-30	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY018NV	none
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	
Normal years		600	600	600	600	600	
Unfavorable years		400	400	400	400	400	

2781--Snowmore, cobbly-Snowmore, very cobbly-Snowmore association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Snowmore	Snowmore	Snowmore	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	---	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	---	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	none	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800		800	800
Normal years		600	600	600		600	600
Unfavorable years		400	400	400		400	400

2782--Snowmore-Zevadez-Snowmore, cobbly association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Snowmore	Zevadez	Snowmore	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2783--Snowmore-Willhill association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Snowmore	Willhill	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-8	---	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-30	2-10	15-25
Webber ricegrass	STWE	---	---	---	2-8	2-5	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	20-40	70-80	25-40
sedge	CAREX	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---	---	15-25
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
sagebrush	ARTEM	---	---	---	20-30	---	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY018NV	025XY050NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2790--Old Camp-Troughs-Olac association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Old Camp	Troughs	Olac	Inclusion 1	Inclusion 2
Sandberg bluegrass	POSE	2-5	2-5	2-8	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-30	15-25	---
Webber ricegrass	STWE	---	---	2-8	---	---
bluebunch wheatgrass	AGSP	25-40	25-40	20-40	25-40	---
Wyoming big sagebrush	ARTRW	15-25	15-25	---	15-25	---
early sagebrush	ARLO9	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---
sagebrush	ARTEM	---	---	20-30	---	---
Range site number		025XY019NV	025XY019NV	025XY018NV	025XY019NV	none
Potential production (lb/acre):						
Favorable years		800	800	800	800	
Normal years		600	600	600	600	
Unfavorable years		400	400	400	400	

2801--Bartome-Alley-Clurde association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Bartome	Alley	Clurde	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2802--Bartome-Buffaran association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Bartome	Buffaran	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	---	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	10-20	15-25
basin wildrye	ELCI2	---	---	---	2-8	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	20-35	25-40
bluegrass	POA++	---	---	---	2-10	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	---	15-25
antelope bitterbrush	PUTR2	---	---	---	2-8	---
basin big sagebrush	ARTRT	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	10-20	---
mountain big sagebrush	ARVA2	---	---	---	---	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY014NV	025XY019NV
Potential production (lb/acre):						
Favorable years		800	800	800	1000	800
Normal years		600	600	600	800	600
Unfavorable years		400	400	400	600	400

2803--Bartome-Buffaran-Ramires association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Bartome	Buffaran	Ramires	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	---	---	40-60
Nevada bluegrass	PONE3	---	---	---	---	---	2-8
Sandberg bluegrass	POSE	2-5	2-5	---	2-5	---	---
Thurber needlegrass	STTH2	15-25	15-25	10-20	15-25	5-15	---
basin wildrye	ELCI2	---	---	2-8	---	2-5	2-8
bluebunch wheatgrass	AGSP	25-40	25-40	20-35	25-40	60-80	5-15
bluegrass	POA++	---	---	2-10	---	---	---
Wyoming big sagebrush	ARTRW	15-25	15-25	---	15-25	5-15	---
antelope bitterbrush	PUTR2	---	---	2-8	---	1-5	---
basin big sagebrush	ARTRT	---	---	---	---	---	10-20
big sagebrush	ARTR2	---	---	10-20	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
Range site number		025XY019NV	025XY019NV	025XY014NV	025XY019NV	025XY015NV	025XY027NV
Potential production (lb/acre):							
Favorable years		800	800	1000	800	1000	1300
Normal years		600	600	800	600	700	900
Unfavorable years		400	400	600	400	500	500

2804--Bartome-Chiara association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Bartome	Chiara	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	2-10	15-25
Webber ricegrass	STWE	---	---	---	---	2-5	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	70-80	25-40
sedge	CAREX	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	---	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY050NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2805--Bartome very fine sandy loam, 0 to 2 percent slopes

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions		
		Soil name or Inclusion number--		
		Bartome	Inclusion 1	Inclusion 2
Sandberg bluegrass	POSE	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):				
Favorable years		800	800	800
Normal years		600	600	600
Unfavorable years		400	400	400

2807--Bartome-Coltroop-Zevadez association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Bartome	Coltroop	Zevadez	Inclusion 1	Inclusion 2	Inclusion 3
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	2-5
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	25-40
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	15-25
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2808--Bartome-Susie Creek-Wieland association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Bartome	Susie Creek	Wieland	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---
Sandberg bluegrass	POSE	2-5	---	2-5	2-5	---	2-5
Thurber needlegrass	STTH2	15-25	10-20	15-25	15-25	10-20	15-25
basin wildrye	ELCI2	---	2-8	---	---	2-8	---
bluebunch wheatgrass	AGSP	25-40	20-35	25-40	25-40	20-35	25-40
bluegrass	POA++	---	2-10	---	---	2-10	---
Wyoming big sagebrush	ARTRW	15-25	---	15-25	15-25	---	15-25
antelope bitterbrush	PUTR2	---	2-8	---	---	2-8	---
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	---	10-20	---	---	10-20	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
Range site number		025XY019NV	025XY014NV	025XY019NV	025XY019NV	025XY014NV	025XY019NV
Potential production (lb/acre):							
Favorable years		800	1000	800	800	1000	800
Normal years		600	800	600	600	800	600
Unfavorable years		400	600	400	400	600	400

2809--Bartome-Dacker association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Bartome	Dacker	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	15-25	2-10
Webber ricegrass	STWE	---	---	---	---	---	2-5
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	25-40	70-80
sedge	CAREX	---	---	---	---	---	2-5
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	15-25	---
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY050NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	800	800
Normal years		600	600	600	600	600	600
Unfavorable years		400	400	400	400	400	400

2820--Alley-Vanwyper-Rock outcrop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Alley	Vanwyper	Rock outcrop	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Indian ricegrass	ORHY	---	---	---	---	---	15-30	---
Nevada bluegrass	PONE3	---	---	---	---	---	---	---
Sandberg bluegrass	POSE	2-5	2-5	---	---	---	---	---
Thurber needlegrass	STTH2	15-25	15-25	---	---	10-20	---	---
basin wildrye	ELCI2	---	---	---	55-65	2-8	2-8	---
bluebunch wheatgrass	AGSP	25-40	25-40	---	---	20-35	---	---
bluegrass	POA++	---	---	---	---	2-10	---	---
bottlebrush squirreltail	SIHY	---	---	---	---	---	5-10	---
creeping wildrye	ELTR3	---	---	---	5-15	---	---	---
western wheatgrass	AGSM	---	---	---	5-15	---	---	---
Wyoming big sagebrush	ARTRW	15-25	15-25	---	---	---	15-30	---
antelope bitterbrush	PUTR2	---	---	---	---	2-8	2-8	---
basin big sagebrush	ARTRT	---	---	---	10-15	---	---	---
big sagebrush	ARTR2	---	---	---	---	10-20	---	---
black greasewood	SAVE4	---	---	---	2-8	---	---	---
black sagebrush	ARARN	---	---	---	---	---	10-20	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---	---
spiny hopsage	GRSP	---	---	---	---	---	2-5	---
Range site number		025XY019NV	025XY019NV	none	024XY006NV	025XY014NV	025XY025NV	none
Potential production (lb/acre):								
Favorable years		800	800		1500	1000	500	
Normal years		600	600		1100	800	350	
Unfavorable years		400	400		600	600	200	

2822--Alley-Rock outcrop-Rubble land association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Alley	Rock outcrop	Rubble land	Inclusion 1
Sandberg bluegrass	POSE	2-5	---	---	2-5
Thurber needlegrass	STTH2	15-25	---	---	15-25
bluebunch wheatgrass	AGSP	25-40	---	---	25-40
Wyoming big sagebrush	ARTRW	15-25	---	---	15-25
Range site number		025XY019NV	none	none	025XY019NV
Potential production (lb/acre):					
Favorable years		800			800
Normal years		600			600
Unfavorable years		400			400

3000--Handy-Wilsor-Deseed association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Handy	Wilsor	Deseed	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---
Sandberg bluegrass	POSE	---	2-5	---	---	---	---
Thurber needlegrass	STTH2	10-20	15-25	10-20	5-15	---	10-20
basin wildrye	ELCI2	2-8	---	2-8	2-5	---	2-8
bluebunch wheatgrass	AGSP	20-35	25-40	20-35	60-80	---	20-35
bluegrass	POA++	2-10	---	2-10	---	---	2-10
Wyoming big sagebrush	ARTRW	---	15-25	---	5-15	---	---
antelope bitterbrush	PUTR2	2-8	---	2-8	1-5	---	2-8
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	10-20	---	10-20	---	---	10-20
mountain big sagebrush	ARVA2	---	---	---	---	---	---
Range site number		025XY014NV	025XY019NV	025XY014NV	025XY015NV	none	025XY014NV
Potential production (lb/acre):							
Favorable years		1000	800	1000	1000		1000
Normal years		800	600	800	700		800
Unfavorable years		600	400	600	500		600

3010--Relley-Kelk association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions			
		Soil name or Inclusion number--			
		Relley	Kelk	Inclusion 1	Inclusion 2
Indian ricegrass	ORHY	20-30	---	---	---
Sandberg bluegrass	POSE	---	2-5	2-5	2-5
Thurber needlegrass	STTH2	---	15-25	15-25	15-25
bluebunch wheatgrass	AGSP	---	25-40	25-40	25-40
bottlebrush squirreltail	SIHY	5-10	---	---	---
Wyoming big sagebrush	ARTRW	---	15-25	15-25	15-25
sickle saltbush	ATFA	50-60	---	---	---
Range site number		024XY012NV	025XY019NV	025XY019NV	025XY019NV
Potential production (lb/acre):					
Favorable years		700	800	800	800
Normal years		400	600	600	600
Unfavorable years		200	400	400	400

3020--Sodhouse-Chiara association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Sodhouse	Chiara	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	40-60	---	---	---	---	5-15
Sandberg bluegrass	POSE	---	2-5	2-5	2-5	2-5	---
Thurber needlegrass	STTH2	---	15-25	15-25	15-25	15-25	---
bluebunch wheatgrass	AGSP	---	25-40	25-40	25-40	25-40	---
bottlebrush squirreltail	SIHY	2-8	---	---	---	---	5-10
desert globemallow	SPAM2	2-5	---	---	---	---	---
Wyoming big sagebrush	ARTRW	---	15-25	15-25	15-25	15-25	---
bud sagebrush	ARSP5	2-8	---	---	---	---	20-30
shadscale	ATCO	---	---	---	---	---	30-40
spiny hopsage	GRSP	---	---	---	---	---	2-5
winterfat	EULA5	20-25	---	---	---	---	2-5
Range site number		024XY059NV	025XY019NV	025XY019NV	025XY019NV	025XY019NV	024XY002NV
Potential production (lb/acre):							
Favorable years		700	800	800	800	800	750
Normal years		500	600	600	600	600	450
Unfavorable years		300	400	400	400	400	300

3030--Deepeek-Alley association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Deepeek	Alley	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Indian ricegrass	ORHY	---	---	---	---	---	15-30
Sandberg bluegrass	POSE	2-5	2-5	---	2-5	2-5	---
Thurber needlegrass	STTH2	15-25	15-25	5-15	15-25	15-25	---
basin wildrye	ELCI2	---	---	2-5	---	---	2-8
bluebunch wheatgrass	AGSP	25-40	25-40	60-80	25-40	25-40	---
bottlebrush squirreltail	SIHY	---	---	---	---	---	5-10
Wyoming big sagebrush	ARTRW	15-25	15-25	5-15	15-25	15-25	15-30
antelope bitterbrush	PUTR2	---	---	1-5	---	---	2-8
black sagebrush	ARARN	---	---	---	---	---	10-20
spiny hopsage	GRSP	---	---	---	---	---	2-5
Range site number		025XY019NV	025XY019NV	025XY015NV	025XY019NV	025XY019NV	025XY025NV
Potential production (lb/acre):							
Favorable years		800	800	1000	800	800	500
Normal years		600	600	700	600	600	350
Unfavorable years		400	400	500	400	400	200

3100--Ratsow-Quarz-Susie Creek association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Ratsow	Quarz	Susie Creek	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Canby bluegrass	POCA	---	---	---	---	---	---	---
Idaho fescue	FEID	---	---	---	---	---	30-40	---
Nevada bluegrass	PONE3	---	---	---	---	---	2-5	---
Thurber needlegrass	STTH2	10-20	10-20	10-20	10-20	10-20	---	---
basin wildrye	ELCI2	2-8	2-8	2-8	2-8	2-8	2-10	---
bluebunch wheatgrass	AGSP	20-35	20-35	20-35	20-35	20-35	15-30	---
bluegrass	POA++	2-10	2-10	2-10	2-10	2-10	---	---
arrowleaf balsamroot	BASA3	---	---	---	---	---	2-5	---
tapertip hawksbeard	CRAC2	---	---	---	---	---	2-5	---
Wyoming big sagebrush	ARTRW	---	---	---	---	---	---	---
antelope bitterbrush	PUTR2	2-8	2-8	2-8	2-8	2-8	5-10	---
basin big sagebrush	ARTRT	---	---	---	---	---	---	---
big sagebrush	ARTR2	10-20	10-20	10-20	10-20	10-20	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	10-20	---
Range site number		025XY014NV	025XY014NV	025XY014NV	025XY014NV	025XY014NV	025XY012NV	none
Potential production (lb/acre):								
Favorable years		1000	1000	1000	1000	1000	1400	
Normal years		800	800	800	800	800	1000	
Unfavorable years		600	600	600	600	600	700	

3510--Midraw-Troughs-Midraw, strongly sloping association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Midraw	Troughs	Midraw	Inclusion 1	Inclusion 2	Inclusion 3
Canby bluegrass	POCA	---	---	---	---	---	---
Nevada bluegrass	PONE3	---	---	---	---	---	---
Sandberg bluegrass	POSE	2-5	2-5	2-5	2-5	---	2-8
Thurber needlegrass	STTH2	15-25	15-25	15-25	15-25	10-20	15-30
Webber ricegrass	STWE	---	---	---	---	---	2-8
basin wildrye	ELCI2	---	---	---	---	2-8	---
bluebunch wheatgrass	AGSP	25-40	25-40	25-40	25-40	20-35	20-40
bluegrass	POA++	---	---	---	---	2-10	---
Wyoming big sagebrush	ARTRW	15-25	15-25	15-25	15-25	---	---
antelope bitterbrush	PUTR2	---	---	---	---	2-8	---
basin big sagebrush	ARTRT	---	---	---	---	---	---
big sagebrush	ARTR2	---	---	---	---	10-20	---
early sagebrush	ARLO9	---	---	---	---	---	---
low sagebrush	ARAR8	---	---	---	---	---	---
mountain big sagebrush	ARVA2	---	---	---	---	---	---
sagebrush	ARTEM	---	---	---	---	---	20-30
Range site number		025XY019NV	025XY019NV	025XY019NV	025XY019NV	025XY014NV	025XY018NV
Potential production (lb/acre):							
Favorable years		800	800	800	800	1000	800
Normal years		600	600	600	600	800	600
Unfavorable years		400	400	400	400	600	400

3710--Petan-Bulake-Rock outcrop association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Petan	Bulake	Rock outcrop	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	---	30-50	---	30-50	40-60	---
Nevada bluegrass	PONE3	---	---	---	---	2-8	---
Sandberg bluegrass	POSE	2-10	---	---	---	---	---
Thurber needlegrass	STTH2	10-20	---	---	---	---	---
Webber ricegrass	STWE	5-10	---	---	---	---	---
basin wildrye	ELCI2	---	---	---	---	2-8	---
bluebunch wheatgrass	AGSP	20-30	15-30	---	15-30	5-15	---
bluegrass	POA++	---	2-10	---	2-10	---	---
balsamroot	BALSA	2-5	---	---	---	---	---
antelope bitterbrush	PUTR2	---	2-5	---	2-5	---	---
basin big sagebrush	ARTRT	---	---	---	---	10-20	---
low sagebrush	ARAR8	25-35	15-25	---	15-25	---	---
Range site number		025XY022NV	025XY017NV	none	025XY017NV	025XY027NV	none
Potential production (lb/acre):							
Favorable years		600	900		900	1300	
Normal years		400	700		700	900	
Unfavorable years		250	400		400	500	

3715--Petan-Deunah-Hatpeak association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions						
		Soil name or Inclusion number--						
		Petan	Deunah	Hatpeak	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	---	30-50	40-60	40-60	---	30-50	---
Nevada bluegrass	PONE3	---	---	2-8	2-8	---	---	---
Sandberg bluegrass	POSE	2-10	---	---	---	---	---	---
Thurber needlegrass	STTH2	10-20	---	---	---	---	---	---
Webber ricegrass	STWE	5-10	---	---	---	---	---	---
basin wildrye	ELCI2	---	---	2-8	2-8	---	---	---
bluebunch wheatgrass	AGSP	20-30	15-30	5-15	5-15	---	15-30	---
bluegrass	POA++	---	2-10	---	---	---	2-10	---
balsamroot	BALSA	2-5	---	---	---	---	---	---
antelope bitterbrush	PUTR2	---	2-5	---	---	---	2-5	---
basin big sagebrush	ARTRT	---	---	10-20	10-20	---	---	---
low sagebrush	ARAR8	25-35	15-25	---	---	---	15-25	---
Range site number		025XY022NV	025XY017NV	025XY027NV	025XY027NV	none	025XY017NV	none
Potential production (lb/acre):								
Favorable years		600	900	1300	1300		900	
Normal years		400	700	900	900		700	
Unfavorable years		250	400	500	500		400	

3721--Hatpeak-Deunah association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions				
		Soil name or Inclusion number--				
		Hatpeak	Deunah	Inclusion 1	Inclusion 2	Inclusion 3
Idaho fescue	FEID	40-60	30-50	40-60	---	30-50
Nevada bluegrass	PONE3	2-8	---	2-8	---	---
Sandberg bluegrass	POSE	---	---	---	2-10	---
Thurber needlegrass	STTH2	---	---	---	10-20	---
Webber ricegrass	STWE	---	---	---	5-10	---
basin wildrye	ELCI2	2-8	---	2-8	---	---
bluebunch wheatgrass	AGSP	5-15	15-30	5-15	20-30	15-30
bluegrass	POA++	---	2-10	---	---	2-10
balsamroot	BALSA	---	---	---	2-5	---
antelope bitterbrush	PUTR2	---	2-5	---	---	2-5
basin big sagebrush	ARTRT	10-20	---	10-20	---	---
low sagebrush	ARAR8	---	15-25	---	25-35	15-25
Range site number		025XY027NV	025XY017NV	025XY027NV	025XY022NV	025XY017NV
Potential production (lb/acre):						
Favorable years		1300	900	1300	600	900
Normal years		900	700	900	400	700
Unfavorable years		500	400	500	250	400

3722--Hatpeak-Hatpeak, moderately steep association

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions					
		Soil name or Inclusion number--					
		Hatpeak	Hatpeak	Inclusion 1	Inclusion 2	Inclusion 3	Inclusion 4
Idaho fescue	FEID	40-60	40-60	40-60	---	---	---
Nevada bluegrass	PONE3	2-8	2-8	2-8	---	---	5-10
Thurber needlegrass	STTH2	---	---	---	5-15	5-15	---
basin wildrye	ELCI2	2-8	2-8	2-8	2-5	2-5	60-70
bluebunch wheatgrass	AGSP	5-15	5-15	5-15	60-80	60-80	---
mat muhly	MURI	---	---	---	---	---	2-8
streambank wheatgrass	AGDAR	---	---	---	---	---	2-8
Wyoming big sagebrush	ARTRW	---	---	---	5-15	5-15	---
antelope bitterbrush	PUTR2	---	---	---	1-5	1-5	---
basin big sagebrush	ARTRT	10-20	10-20	10-20	---	---	5-10
Range site number		025XY027NV	025XY027NV	025XY027NV	025XY015NV	025XY015NV	025XY003NV
Potential production (lb/acre):							
Favorable years		1300	1300	1300	1000	1000	4500
Normal years		900	900	900	700	700	3500
Unfavorable years		500	500	500	500	500	2000

W--Water

(Absence of an entry indicates that the named plant is not a key species in the potential native plant community)

Common plant name	Plant symbol	Percentage composition and production (dry weight) of plants on major soils and inclusions
		Soil name or Inclusion number--
		Water

Range site number		none
Potential production (lb/acre):		
Favorable years		
Normal years		
Unfavorable years		

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NORTHWEST ELKO COUNTY AREA, NEVADA
PARTS OF ELKO AND EUREKA COUNTIES

Scale 1:380,160

1 0 1 2 3 4 5 6 Miles

1 0 5 10 Km

SECTIONALIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

N

IDAHO

NEVADA

HUMBOLDT COUNTY

LANDER COUNTY

EUREKA COUNTY

DUCK VALLEY INDIAN RESERVATION

HUMBOLDT NATIONAL FOREST

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Inset C, sheet 57

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Inset A, sheet 20

Inset B, sheet 20

STAR VALLEY RIDGE WEST

STAR VALLEY RIDGE EAST

RUBBER HILL

STATE LINE CAMP

HAT PEAK

STAR VALLEY RIDGE SW

STAR VALLEY RIDGE SE

TWELVEMILE FLAT

PETERSON TABLE WEST

PETERSON TABLE EAST

SHEEP CREEK RESERVOIR

DRY CREEK RESERVOIR

BUTTON LAKE WELL

CORRAL LAKE

SILVER LAKE

DESERT LAKE

FOURMILE BUTTE

WILSON RESERVOIR

BULL RUN RESERVOIR

WAGGIE SUMMIT

GREELEY FLAT SE

HUMBOLDT RIVER

MC CLEARY WELLS

WINTER RANCH RESERVOIR

MIDDLE DRAW RESERVOIR

I-L RANCH

CORRUGATION RIDGE

DEEP CREEK

CHICKEN CREEK SUMMIT

LAYTON SPRING

RODEAR FLAT

HAYSTACK PEAK

BURNER HILLS

SOLDIER CAP

RED COW CREEK

BIG COTTONWOOD CANYON

COTTONWOOD PEAK

JACKS PEAK

KENNY CREEK

SNOWSTORM MOUNTAIN

OREGON CANYON

SCRAPER SPRINGS

LITTLE ROCK CREEK

TOE JAM MOUNTAIN

MOUNT BLITZEN

TUSCARORA

WATER PIPE CANYON

THE KNOLLS

JAKE CREEK MOUNTAIN

MIDAS

SQUAW VALLEY RANCH

WILLOW CREEK RESERVOIR

CHINA CAMP

SUGARLOAF BUTTE

LAKE MOUNTAIN

STAMPEDE RANCH

ELEVENMILE WELL

MIDAS SW

SIXMILE HILL

ROCK CREEK RANCH

WILLOW CREEK RESERVOIR SE

SANTA RENIA FIELDS

SHEEP CREEK RANCH NE

RODEO CREEK NW

Starr Ridge

Lake

Owyhee River

South Fork Owyhee River

Circle Cr

Little Owyhee River

Dry Creek Res

Dry Cr

Mitchell Cr

Indian Cr

Spring Cr

Sheep Cr

S Fk Owyhee River

Bartome Knoll

Rawhide Res.

Silver Cr

Bull Run

Wilson Res.

Wilson Cr

Deep Creek

Deep Cr

Bull Run Res.

Wilson Peak

Silver Peak

Amazon Cr

Chimney Cr

Fourmile Cr

Red Coal Cr

Cottonwood Canyon

Harrington Cr

Snow Canyon

Valley

Big Canyon

Rock Cr

Walker Mtn

Tie Jam Cr

Nelson Cr

Pleasant Valley

Taylor Canyon

Tuscarora

Independence Mtns

Willow Creek Res.

S Fk Willow Cr

Willow Cr

Soldier Cr

Big Butte

Squaw Valley

Squaw Creek

Evans Creek

Clover Cr

Jake Creek Mtn

Midas

Sixmile Hill

Fraser Cr

Mahogany Creek

Humboldt River

First Chance Cr

Elk Cr

S Fk Elko Creek

Jakes Cr

Barnes Cr

Dup Cr

Comm Cr

Lake Cr

Indian Cr

Coleman Cr

Antelope Valley

Big Canyon

Cottonwood Canyon

Harrington Valley

Snow Canyon

Taylor Canyon

Independence Mtns

Tuscarora

Midas

Big Butte

Sixmile Hill

Walker Mtn

Tuscarora

Wilson Peak

Silver Peak

Deep Creek

Bull Run Res.

Rawhide Res.

Dry Creek Res

Willow Creek Res.

Jake Creek Mtn

R 45 E

R 46 E

R 47 E

R 48 E

R 49 E

R 50 E

R 51 E

R 52 E

R 53 E

T 47 N

T 46 N

T 45 N

T 44 N

T 43 N

T 42 N

T 41 N

T 40 N

T 39 N

T 38 N

T 37 N

T 36 N

42 00'

41 30'

41 20'

41 10'

41 00'

117 00'

116 50'

116 40'

116 30'

116°20'

116 10'

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

NORTHWESTERN ELKO COUNTY AREA, NEVADA

BUREAU OF LAND MANAGEMENT
UNIVERSITY OF NEVADA AGRICULTURAL EXPERIMENT STATION

SOIL LEGEND

Map symbols consist of 3 or 4 numbers. The numbers represent the kind of soil or miscellaneous areas.

SYMBOL	NAME
001	Rubble land
120	Cotant, moderately steep-Lerrow-Cotant association
126	Cotant-Lerrow-Akler association
127	Cotant-Ninemile-Lerrow association
128	Cotant-Graley association
129	Cotant-Chen-Crooked Creek association
130	Cotant-Booford association
140	Upville, frequently flooded-Upville association
141	Upville-Kleckner association
150	Gochea gravelly loam, 2 to 4 percent slopes
161	Sonoma silt loam, drained, 0 to 2 percent slopes
162	Sonoma silt loam, drained, occasionally flooded
184	Crooked Creek silty clay loam, frequently flooded, 0 to 2 percent slopes
185	Crooked Creek, moderately wet-Crooked Creek association
186	Crooked Creek-Crooked Creek, occasionally flooded-Crooked Creek, drained association
188	Crooked Creek-Welch-Crooked Creek, drained association
190	Heechee-Heechee, cobbly association
200	Lynnbow-Rugar association
201	Lynnbow-Lerrow-Crooked Creek association
210	Soonaker-Bulake association
220	Cavanaugh-Rugar-McIvey association
221	Cavanaugh-Quarz-Alyan association
233	Bioya-Bilbo-Chiara association
234	Bioya-Shabliss-Puett association
235	Bioya-Trunk-Alley association
236	Bioya-Wieland-Kleckner association
241	Wickahoney-Deunah-Petan association
270	Pernty, steep-Loncan-Pernty association
280	Humboldt silty clay loam, occasionally flooded
308	Akler-Pattani-Cotant association
309	Akler-Susie Creek association
457	Donna-Stampede-Short Creek association
458	Donna-Stampede association
464	Stampede silt loam, 2 to 8 percent slopes
570	Sumine-Cleavage-Hapgood association
571	Sumine-Tusel-Gando association
572	Sumine-Reluctan-Cleavage association
576	Sumine-Hapgood-Cleavage association, very gravelly
577	Sumine-Hapgood-Chen association
578	Sumine-Tusel-Hapgood association, very steep
579	Sumine-Pernty-Tusel association
580	Sumine-Pie Creek-Reluctan association
581	Sumine-Hapgood-Cleavage association
582	Sumine-Tusel-Cleavage association
583	Sumine-Hapgood-Pernty association
584	Sumine-Tusel-Hapgood association, steep
585	Sumine-Rock outcrop-Rubble land association
586	Sumine-Loncan-Cleavage association
600	Hapgood-Bullump-Gando association
601	Hapgood-Blitzen-Tusel association
602	Hapgood-Hackwood-Tusel association
623	Soughe-Rock outcrop association
624	Soughe-Soughe, very steep-Rock outcrop association
625	Soughe-Alyan-Shalper association
626	Soughe, cobbly-Vanwyper-Soughe association
690	Welch, drained-Welch association
920	Bullump-Gando-Tusel association
921	Bullump-Hackwood-Cleavage association
922	Bullump-Cleavage-Hapgood association
1130	Clementine silt loam, drained, 0 to 2 percent slopes
1131	Clementine, drained-Clementine, gently sloping-Clementine association
1135	Clementine-Clurde association
1150	Clurde-Wieland association
1155	Clurde very fine sandy loam, 0 to 2 percent slopes
1156	Clurde-Kortty association
1157	Clurde-Zevadez-Chiara association
1190	Cherry Spring-Enko association
1191	Cherry Spring-Wieland association
1193	Cherry Spring-Hunnton-Chiara association
1210	Skull Creek-Shabliss-Puett association
1220	Hunnton, strongly sloping-Hunnton-Fulstone association
1221	Hunnton, moderately steep-Hunnton-Fulstone association
1223	Hunnton-Shabliss-Puett association
1224	Hunnton-Trunk-Shabliss association
1226	Hunnton-Wieland-Clementine association
1227	Hunnton-Chiara-Bilbo association
1228	Hunnton-Hunnton, moderately sloping association
1229	Hunnton-Chiara-Wieland association
1230	Fulstone-Hunnton association
1231	Fulstone-Fulstone, moderately steep-Hunnton association
1232	Fulstone-Fulstone, cobbly loam, Wieland association
1241	Enko-Shabliss-Orovada association
1242	Enko-Enko, strongly sloping association
1260	Kleckner-Upville-Fulstone association
1261	Kleckner-Heechee association
1290	Tweba very fine sandy loam, drained, 0 to 2 percent slopes
1350	Shabliss-Hunnton-Bioya association
1351	Shabliss-Bartome association
1352	Shabliss-Skull Creek-Puett association
1360	Orovada very fine sandy loam, 0 to 2 percent slopes
1362	Orovada-Clurde-Wieland association
1363	Orovada-Tweba-Weso association
1530	Creemon-Placeritos association
1572	Weso-Orovada-Shabliss association
1573	Weso-Orovada-Tweba association
1617	Cleavage-Hapgood-Tweener association
1618	Cleavage-Sumine-Pequop association
1619	Cleavage-Tusk-Sumine association
1621	Cleavage-Graley-Cleavage, moderately steep association
1622	Cleavage-Sumine-Hapgood association
1623	Cleavage-Hapgood-Sumine association
1625	Cleavage-Ninemile-Sumine association
1626	Cleavage-Carstump-Chen association
1628	Cleavage-Chen-Reluctan association
1640	Tusk-Cleavage-Hackwood association
1650	Ninemile-Tusk-Ninemile, steep association
1651	Ninemile-Reluctan-Ninemile, moderately steep association
1652	Ninemile, steep-Graley-Ninemile association
1653	Ninemile-Reluctan-Graley association
1655	Ninemile-Thwoop-Pequop association
1656	Ninemile-Pequop-Gumble association
1657	Ninemile-Alyan association
1658	Ninemile-Vanwyper-Ninemile, moderately steep association
1659	Ninemile-Carstump association
1660	Susie Creek-Pie Creek-Pattani association
1671	Linkup-Carstump-Linkup, very cobbly loam association
1672	Linkup, steep-Carstump-Linkup association
1673	Linkup-Quarz-Alyan association
1675	Linkup-Snowmore-Ratsow association
1676	Linkup-Quarz association
1680	Carstump-Reluctan-Ninemile association, hilly
1685	Carstump-Ninemile-Graley association
1686	Carstump-Reluctan-Ninemile association, steep
1687	Carstump, cobbly loam-Linkup-Carstump association
1691	Pequop-Rock outcrop-Rubble land association
1700	Cotant-Quarz-Ninemile association
1702	Cotant-McIvey-Blitzen association
1703	Cotant-Lerrow-Bullump association
1711	Reluctan-Ninemile-Cleavage association
1712	Reluctan-Sumine-Cleavage association
1713	Reluctan-Erakatak-Rugar association
1720	Quarz-Alyan-Ninemile association
1725	Quarz-Cleavage-Loncan association
1726	Quarz-Ninemile-Pequop association
1730	Graley-Erakatak-Chen association
1732	Graley-Quarz-Ninemile association
1733	Graley-Loncan association
1740	Erakatak-Cleavage-Hackwood association
1741	Erakatak-Chen-Tusk association
1742	Erakatak-Rugar-Tusel association
1744	Erakatak-Graley-Tusel association
1746	Booford-Cotant-Blitzen association
1800	Bregar, moderately steep-Bregar-Carstump association
1802	Bregar-Ninemile-Pequop association
1803	Bregar-Sumine-Rock outcrop association
1805	Bregar-Deseed-Linkup association
1810	Shively-Ninemile-Hackwood association
1830	Vanwyper, steep-Alyan-Vanwyper association
1831	Vanwyper, moderately steep-Trunk-Vanwyper association
1832	Vanwyper-Trunk-Trunk, steep association
1833	Vanwyper-Rock outcrop-Trunk association
1852	Gumble-Tuffo-Hunnton association
1853	Gumble-Tuffo-Rock outcrop association
1854	Gumble-Chen association
1855	Gumble-Puett Variant-Xeric Torriorthents association
1870	Chen-Graley-Quarz association
1871	Chen-Cotant-Graley association
1872	Chen-Sumine-Tusel association
1874	Chen-Quarz-Arcia association
1875	Chen-Bregar-Ramires association
1876	Chen-Chen, steep-Arcia association
1877	Chen-Bregar-Loncan association
1880	Chen-Blitzen-Pequop association
1881	Chen-Blitzen-Loncan association
1888	Chen-Pie Creek-Alyan association
1889	Chen-Sumine association
1910	Mahala-Ramires association
1920	Lerrow-Chen-Cotant association
1921	Lerrow-Quarz-Rugar association
1931	Tweener-Cleavage-Reluctan association
1932	Tweener-Sumine-Cleavage association
1933	Tweener-Pequop-Cleavage association
1950	McIvey-McIvey, very cobbly-Tusel association
1980	Thwoop-Trunk-Pequop association
2000	Alyan-Cotant-Akler association
2001	Alyan, steep-Bregar-Alyan association
2002	Alyan, moderately steep-Alyan-Quarz association
2003	Alyan-Deepeek-Susie Creek association
2004	Alyan, cobbly loam-Ninemile-Alyan association
2005	Alyan-Graley-Rock outcrop association
2171	Deseed-Reluctan-Cleavage association
2173	Deseed-Quarz association
2205	Coltroop-Snowmore association
2206	Coltroop-Vanwyper association
2310	Bulake-Deunah-Bulake, very cobbly association
2311	Bulake-Hatpeak-Petan association
2505	Buffaran-Zevadez association
2511	Bilbo-Alley-Deepeek association
2514	Bilbo-Susie Creek-Buffaran association
2521	Dewar-Chiara-Chiara, very cobbly association
2522	Dewar-Sodhouse association
2531	Clurde Variant-Clurde-Rock outcrop association
2541	Kelk very fine sandy loam, occasionally flooded, 0 to 2 percent slopes
2545	Kelk-Clurde association
2555	Piline silty clay loam
2560	McCleary silt loam, occasionally flooded
2561	McCleary cobbly silt loam, drained, rarely flooded
2571	Chiara-Chiara, cobbly-Chiara, very cobbly association
2572	Chiara-Chiara, moderately eroded association
2573	Chiara, very cobbly-Chiara association
2575	Chiara-Dacker-Shalake association
2577	Chiara-Orovada association
2600	Shalake-Chiara-Shalake, gently sloping association
2611	Dacker-Hunnton association
2612	Dacker-Zevadez association
2615	Dacker-Chiara association
2621	Gochea-Susie Creek-Carstump association
2641	Olac-Snowmore association
2650	Wieland-Bartome-Zevadez association
2651	Wieland-Buffaran association
2652	Wieland-Dacker-Zevadez association
2655	Wieland-Gumble-Bilbo association
2656	Wieland-Hunnton-Thwoop association
2658	Wieland very gravelly loam, 15 to 30 percent slopes
2666	Puett-Orovada association
2667	Puett-Rock outcrop-Clurde association
2668	Puett-Yuko-Zevadez association
2710	Ramires-Bartome-Bilbo association
2711	Ramires-Bilbo-Buffaran association
2741	Wilsor-Wilsor, moderately steep association
2751	Yuko-Chime-Clurde association
2775	Zevadez-Bartome-Wieland association
2776	Zevadez-Chiara association
2777	Zevadez-Wieland-Clurde association
2778	Zevadez-Yuko-Kelk association
2780	Snowmore, cobbly-Snowmore association
2781	Snowmore, cobbly-Snowmore, very cobbly-Snowmore association
2782	Snowmore-Zevadez-Snowmore, cobbly association
2783	Snowmore-Willhill association
2790	Old Camp-Troughs-Olac association
2801	Bartome-Alley-Clurde association
2802	Bartome-Buffaran association
2803	Bartome-Buffaran-Ramires association
2804	Bartome-Chiara association
2805	Bartome very fine sandy loam, 0 to 2 percent slopes
2807	Bartome-Coltroop-Zavadez association
2808	Bartome-Susie Creek-Wieland association
2809	Bartome-Dacker association
2820	Alley-Vanwyper-Rock outcrop association
2822	Alley-Rock outcrop-Rubble land association
3000	Handy-Wilsor-Deseed association
3010	Relley-Kelk association
3020	Sodhouse-Chiara association
3030	Deepeek-Alley association
3100	Ratsow-Quarz-Susie Creek association
3510	Midraw-Troughs-Midraw, strongly sloping association
3710	Petan-Bulake-Rock outcrop association
3715	Petan-Deunah-Hatpeak association
3721	Hatpeak-Deunah association
3722	Hatpeak-Hatpeak, moderately steep association
W	Water

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

CULTURAL FEATURES

BOUNDARIES

- National, state, or province
- County or parish
- Minor civil division
- Reservation (national forest or park, state forest or park, and large airport)
- Land grant
- Limit of soil survey (label)
- Field sheet matchline and neatline
- AD HOC BOUNDARY (label)
- Small airport, airfield, park, oilfield, cemetery, or flood pool (FLOOD POOL LINE)
- STATE COORDINATE TICK 1 890 000 FEET
- LAND DIVISION CORNER (sections and land grants)

ROADS

- Divided (median shown if scale permits)
- Other roads
- Trail

ROAD EMBLEM & DESIGNATIONS

- Interstate (66)
- Federal (287)
- State (52)
- County, farm or ranch (398)

RAILROAD

POWER TRANSMISSION LINE (normally not shown)

PIPE LINE (normally not shown)

FENCE (normally not shown)

LEVEES

- Without road
- With road
- With railroad

DAMS

- Large (to scale)
- Medium or Small (Named where applicable) (water)

PITS

- Gravel pit
- Mine or quarry

MISCELLANEOUS CULTURAL FEATURES

- Farmstead, house (omit in urban area) (occupied)
- Church
- School
- Indian mound (label) (Indian Mound)
- Located object (label) (Tower)
- Tank (label) (Gas)
- Wells, oil or gas
- Windmill
- Kitchen midden

WATER FEATURES

DRAINAGE

- Perennial, double line
- Perennial, single line
- Intermittent
- Drainage end
- Canals or ditches
- Double-line (label) (CANAL)
- Drainage and/or irrigation

LAKES, PONDS AND RESERVOIRS

- Perennial (water)
- Intermittent

MISCELLANEOUS WATER FEATURES

- Marsh or swamp
- Spring
- Well, artesian
- Well, irrigation
- Wet spot

SPECIAL SYMBOLS FOR SOIL SURVEY

- SOIL DELINEATIONS AND SYMBOLS 624 1702
- ESCARPMENTS
- Bedrock (points down slope)
- Other than bedrock (points down slope)
- SHORT STEEP SLOPE
- GULLY
- DEPRESSION OR SINK
- SOIL SAMPLE (normally not shown)
- MISCELLANEOUS
- Blowout
- Clay spot
- Gravelly spot
- Gumbo, slick or scabby spot (sodic)
- Dumps and other similar non soil areas
- Prominent hill or peak
- Rock outcrop (includes sandstone and shale)
- Saline spot
- Sandy spot
- Severely eroded spot
- Slide or slip (tips point upslope)
- Stony spot, very stony spot
- Mollic Cryoboralfs-Subalpine fir woodland-to 5 acres.
- Cumulic Haplaquolls-Riparian aspen & cottonwood woodland-to 5 acres.
- Entic Cryumbrepts-Ceanothus vegatation to 2 acres.
- Rubble land to 5 acres.
- Small Playas-less than 5 acres in size.
- Entic Cryumbrepts-Shrubby aspen vegetation-to 5 acres.
- Pachic Cryborolls-aspen woodland-to 5 acres.